Agriculture
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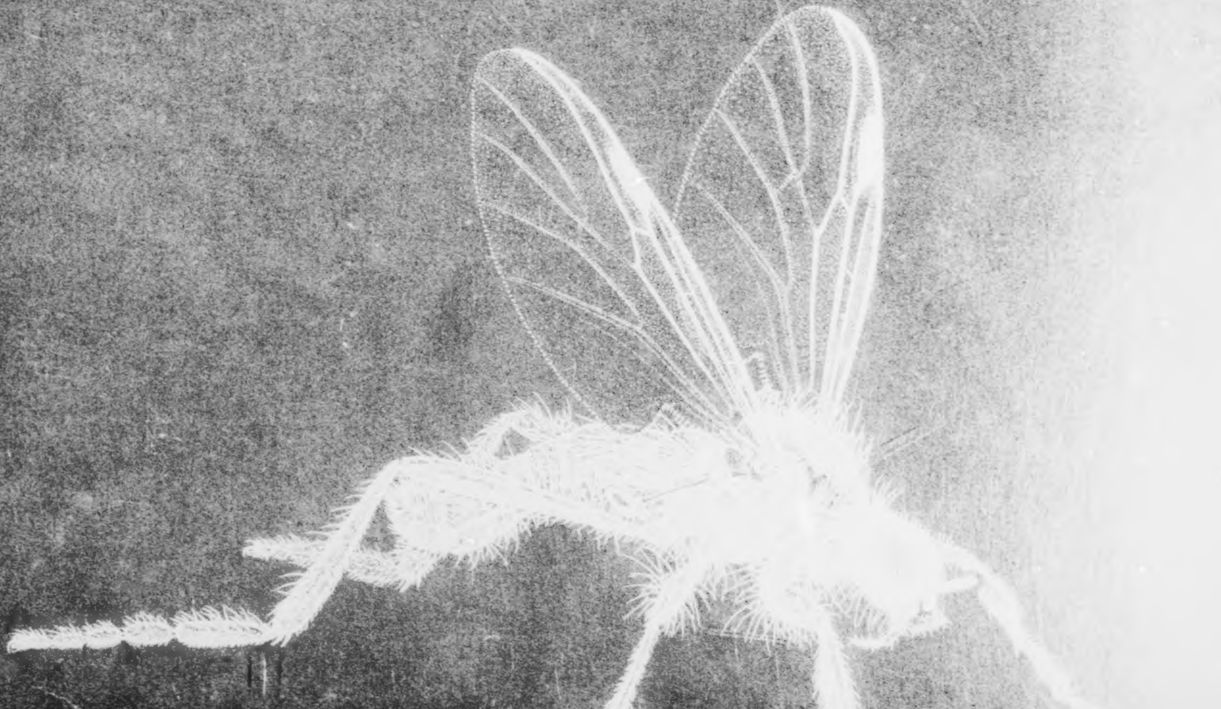
# Diptera types in the Canadian National Collection of Insects

# Types de diptères de la Collection nation des insectes du Can

## Part 1
## Nematocera

## Première part
## Nématocères



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## Part 1

## Nematocera

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Ottawa, Ontario
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Research Branch
Agriculture Canada

Publication 1845/B
1991

# Types de diptères de la Collection nationale des insectes du Canada

## Première partie

## Nématocères

Bruce E. Cooper

Centre de recherches biosystématiques
Ottawa (Ontario)
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Direction générale de la recherche
Agriculture Canada

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**Illustration de la couverture**
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## ABSTRACT

Type material of the nematocerous Diptera housed in the Canadian National Collection, as of 31 December 1987, is cataloged. The collection contains 654 holotypes, 188 associated allotypes, 5 allotypes, 36 lectotypes, and 1 neotype. Fifty-two species are represented by syntypes, 423 by paratypes, and 40 by paralectotypes. Reference to the original description of each taxon is cited. Label data associated with the specimens are fully quoted, except in the case of paratypes and paralectotypes. A bibliography and an index to named taxa are provided.

## INTRODUCTION

Primary types are in reality the property of science, and institutions that house them have a special obligation to ensure their safety, their permanent care, and their availability for research. Article 72G(4) of the *International Code of Zoological Nomenclature* recommends that every institution should "publish lists of name-bearing types in its possession or custody" as an institutional responsibility. This book, the first in a continuing series, seeks to implement this recommendation.

The early history of the Canadian National Collection of Insects and Arachnids (CNC), which officially began in 1914, was first compiled by J.H. McDunnough (1926). Dr. McDunnough was appointed as chief of the Division of Systematic Entomology in 1919 with special charge of the CNC. At that time the classified collection of Diptera consisted of 100 drawers. In September 1922 he secured the appointment of C.H. Curran and placed him in charge of Diptera. In 1928 Curran left the CNC to join the staff at the American Museum of Natural History in New York. Following his departure little progress was made on the development of the Diptera section until G.E. Shewell was brought on staff in 1937. By that time the Diptera collection consisted of five insect cabinets containing 250 drawers. With the onset of the Canadian Forest Insect Survey in 1936, and the Northern Insect Survey in 1948, the CNC,

## RÉSUMÉ

Ce catalogue répertorie tous les types de Diptères nématocères qui étaient conservés dans la Collection nationale du Canada au 31 décembre 1987. La collection contient 654 holotypes, 188 allotypes correspondants, 5 allotypes non associés, 36 lectotypes et un néotype. Cinquante-deux espèces sont représentées par des syntypes, 423 par des paratypes et 40 par des paralectotypes. Pour chaque taxon, la référence à la description originale est citée. Les données inscrites sur les étiquettes associées aux spécimens sont citées intégralement, sauf dans le cas des paratypes et des paralectotypes. Le catalogue comprend aussi une liste bibliographique et un index de tous les taxons mentionnés.

## INTRODUCTION

Les types primaires appartiennent à la science, et les institutions qui les conservent se doivent d'en assurer la sécurité et les soins permanents, et de les mettre à la disposition des chercheurs. L'article 72G(4) du *Code international de nomenclature zoologique* recommande que chaque institution assume la responsabilité de "publier des listes du matériel-type en sa possession ou sous sa garde".

La première tranche de l'histoire de la Collection nationale du Canada d'insectes et d'arachnides (CNC), établie en 1914, a été compilée par J.H. McDunnough (1926). Le Dr McDunnough a été nommé chef de la Division d'entomologie systématique en 1919 et chargé du développement de la Collection. À cette époque, la collection organisée de Diptères comprenait 100 tiroirs. Au mois de septembre 1922, il engagea C.H. Curran et lui confia la responsabilité des Diptères. Curran quitta la Collection nationale en 1928 pour joindre le personnel du *American Museum of Natural History* à New York. À la suite du départ de Curran, la collection de Diptères n'enregistra à peu près aucune croissance jusqu'à l'embauche de G.E. Shewell en 1937. À ce moment, la collection de Diptères comprenait cinq cabinets contenant 250 tiroirs. La mise en oeuvre de l'Inventaire des insectes forestiers en 1936 et de l'Inventaire des insectes nordiques en 1948, including the Diptera collection, grew very rapidly. By 1957 the Diptera collection contained an estimated 600 000 pinned specimens (J.F. McAlpine *in litt.*). In 1960, G.P. Holland reported that the CNC, including the Diptera collection, was growing by about 150 000 specimens annually (Holland 1960). In June 1978, the pinned collection was housed in 4670 drawers (J.F. McAlpine *in litt.*). At an average of 350 specimens per drawer, the approximate number then would have been 1 634 500 specimens. At present it is estimated to contain 1 900 000 specimens.

The rapid growth of the collection was correlated with appointments of additional research staff, namely, A.R. Brooks (1938–1948), J.R. Vockeroth (1949), J.F. McAlpine (1950), J.G. Chillcott (1952), J.A. Downes (1953), D.M. Wood (1960), and D.R. Oliver (1962). With the closing of Agriculture Canada's Medical and Veterinary Research Laboratory at Guelph, Ont. in 1964, B.V. Peterson and H.J. Teskey were transferred to the Diptera Section in Ottawa. The most recent appointments are A. Borkent (1982) and J.M. Cumming (1986). Other internationally known dipterists who worked for shorter periods in the Diptera Section of the CNC are W.R. Thompson (Tachinidae), W. Hennig (Acalyptratae), H.C. Huckett (Muscidae and Anthomyiidae), and K.A. Spencer (Agromyzidae).

Several private collections of Diptera have been incorporated into the CNC. The most notable of these are the tachinid collections of H.J. Reinhard (1968), W.R. Thompson (1969, from Trinidad), and L. Mesnil (1970, 1985), as well as the F.M. Hull collection of Diptera (1973, 1981), a synopic collection of K.A. Spencer's world Agromyzidae (1976), the C.B.D. Garrett collection of Diptera (1961), the N.I. Baranov collection of Simuliidae (1954), and a portion of the F. Schmid collection of Thaumaleidae (1964).

The CNC Diptera collection also contains a large amount of exotic material, most notably, major United States collections from California (Mohave Desert and other localities), Texas, Colorado, North Carolina (Blue Ridge Mts.), Florida, and Hawaii. Equally important are the Neotropical collections, made mainly by L. Pena and F. Plaumann from Chile, Ecuador, Peru,

entraîna une croissance très rapide de la CNC et, par le fait même, de la collection de Diptères. En 1957, la collection de Diptères contenait approximativement 600 000 spécimens épinglés (J.F. McAlpine *in litt.*). En 1960, G.P. Holland rapporta que la CNC, incluant la collection de Diptères, croissait annuellement d'environ 150 000 spécimens (Holland 1960). En juin 1978, la partie épinglée de la collection de Diptères était contenue dans 4670 tiroirs (J.F. McAlpine *in litt.*). En comptant en moyenne 350 spécimens par tiroir, la collection contenait alors environ 1 634 500 spécimens. Présentement, la collection est estimée à environ 1 900 000 spécimens.

La croissance rapide de la collection a été directement reliée à l'embauche de plusieurs nouveaux chercheurs: A.R. Brooks (1938–1948), J.R. Vockeroth (1949), J.F. McAlpine (1950), J.G. Chilcott (1952), J.A. Downes (1953), D.M. Wood (1960) et D.R. Oliver (1962). La fermeture du Laboratoire d'entomologie médicale et vétérinaire d'Agriculture Canada à Guelph en 1964 amena B.V. Peterson et H.J. Teskey à se joindre à la section des Diptères à Ottawa. Plus récemment, A. Borkent (1982) et J.M. Cumming ont été embauchés. Parmi les diptéristes de renommée internationale qui ont travaillé pendant des périodes plus ou moins brèves dans la section des Diptères se trouvent W.R. Thompson (Tachinidae), W. Hennig (Acalyptratae), H.C. Huckett (Muscidae et Anthomyiidae) et K.A. Spencer (Agromyzidae).

Plusieurs collections privées de Diptères ont été incorporées à la CNC. Les plus remarquables sont les collections de tachinidés de H.J. Reinhard (1968), de W.R. Thompson (1969, matériel de Trinidad) et de L. Mesnil (1970 et 1985), de même que la collection de Diptères de F.M. Hull (1973 et 1981), une collection synoptique d'Agromyzidae du monde de K.A. Spencer (1976), la collection de Diptères de C.B.D. Garrett (1961), la collection de Simuliidae de N.I. Baranov (1954), et une partie de la collection de Thaumaleidae de F. Schmid (1964).

La collection de Diptères comprend aussi une grande quantité de matériel exotique, notamment d'importantes collections de Californie (désert du Mojave et autres localités), du Texas, du Colorado, de Caroline du Nord (Mts Blue Ridge), de Floride et de Hawaii. On y trouve

Brazil, Argentina, and Juan Fernandez Islands; in addition there are large collections from the West Indies and Mexico. Other areas that are well represented include Nepal, India, Sri Lanka, Australia, New Zealand, New Caledonia, and the H. Falke collection from Uganda. A relatively large collection of European material has been built up over the years through collecting expeditions, purchases, and exchanges. An exchange program with the late A.A. Stackelberg of the Zoological Institute, Leningrad, has resulted in a valuable collection of USSR material.

In this book all nematocerous Diptera types in the CNC have been cataloged through 31 December 1987. In general, the catalog follows the format of Arnaud (1979). Each entry is arranged alphabetically by family, genus, and species. All species are cited under the original combination in the following format: sex, actual year of publication, abbreviated reference to the journal of the original description with "intended" year of publication, volume and number(s), relevant page, figures, and plate numbers, followed by the country in capital letters from which the holotype was collected. For holotypes, allotypes, lectotypes, neotypes, and syntypes all label data associated with the specimen are cited in full. A diagonal line is used to separate the information given on separate labels. In some instances for clarification, additional information not provided on the label is enclosed in square brackets. For paratypes and paralectotypes the number of specimens is given, followed by provincial or state records for Canada and the United States (and country in brackets if different from that of the holotype) or by country for all other regions. Remarks include condition of the type or parts missing, designation of lectotype, and other important information pertinent to the type-specimen or type series. All previously unrecorded types have been assigned CNC type numbers during the course of this cataloging. In the families Chironomidae, Ceratopogonidae, Simuliidae, and Scatopsidae most of the type material is preserved either on slides, in alcohol, or pinned and is so indicated. Unless otherwise indicated, the remaining families have pinned type material. All species are arranged in the index by the specific name,

aussi d'importantes collections de la région néotropicale, obtenues principalement de L. Pena et F. Plaumann, comprenant des spécimens du Chili, de l'Équateur, du Pérou, du Brésil, de l'Argentine et des Îles Juan Fernandez, en plus d'un important matériel des Antilles et du Mexique. Parmi les autres régions bien représentées dans la collection, on retrouve le Népal, l'Inde, le Sri Lanka, l'Australie, la Nouvelle-Zélande, la Nouvelle-Calédonie et l'Ouganda (collection de H. Falke). Une imposante collection de matériel européen a été accumulée au cours des années grâce à des expéditions, des achats et des échanges. Un programme d'échange avec feu A.A. Stackelberg de l'Institut zoologique de Léningrad a procuré une collection appréciable de matériel d'URSS.

Le présent catalogue répertorie tous les Diptères nématocères de la CNC identifiés au 31 décembre 1987. De façon générale, la présentation du catalogue est analogue à celle de Arnaud (1979). On a dressé une liste des noms par ordre alphabétique de familles, genres et espèces. Toutes les espèces sont citées suivant leur combinaison originale avec les informations suivantes: le sexe, l'année de publication réelle du nom, la référence abrégée de la revue où a paru la description originale, suivie de l'année de publication "intentionnelle", le volume et le (les) numéro(s), les pages contenant le nom et la description, les illustrations, les numéros des planches, et le nom en majuscules du pays où a été collectionné l'holotype. Dans le cas des holotypes, allotypes, lectotypes, néotypes et syntypes, on cite toutes les données intégrales accompagnant les spécimens. Une barre oblique sépare les informations provenant de différentes étiquettes. Dans certains cas, des informations supplémentaires absentes sur une étiquette sont fournies pour fin d'éclaircissement et sont alors placées entre crochets. Pour ce qui est des paratypes et paralectotypes, le nombre de spécimens est fourni, suivi de la province pour le Canada, de l'état pour les États-Unis, (et le pays entre parenthèses s'il diffère de celui de l'holotype), ou du pays dans tous les autres cas. Des remarques additionnelles fournissent des informations sur l'état du type ou sur ses parties manquantes, la désignation d'un lectotype, et autres détails concernant le spécimen-type ou la followed by the original generic name and author. A complete bibliography is also provided.

## ACKNOWLEDGMENTS

I wish to express my sincere appreciation to my colleagues in the Biosystematics Research Centre, Ottawa, for their valuable comments, criticisms, and assistance: A. Borkent, J.M. Cumming, M.E. Dillon, G.E. Shewell, B.J. Sinclair, H.J. Teskey, J.R. Vockeroth, and D.M. Wood of the Diptera Unit. A special thanks goes to J.F. McAlpine for his support, patience, and valuable suggestions throughout this study. I would also like to especially thank M.E. Dillon for her valuable assistance in locating chironomid types that were on loan or absent from the CNC, and J.F. Landry for the French translation of the introductory sections. Mr. L. Speers of the Biosystematics Research Centre is acknowledged for laser printing the camera ready copy of the manuscript.

série-type. Tous les types auparavant non répertoriés ont reçu un numéro de type de la CNC. Pour ce qui est des familles Chironomidae, Ceratopogonidae, Simuliidae et Scatopsidae, de nombreux types sont préservés soit sur lames de microscope, soit en alcool, alors que d'autres sont épinglés; une indication mentionne le mode de préservation. À moins d'indication contraire, tout le matériel-type des autres familles ne comprend que des spécimens épinglés. Dans l'index, on a dressé la liste des noms d'après leur nom spécifique, suivi du nom générique original et de l'auteur. Une bibliographie exhaustive complète le catalogue.

## REMERCIEMENTS

J'exprime toute ma reconnaissance à mes collègues du Centre de recherches biosystématiques à Ottawa pour leurs commentaires, leurs critiques et leur aide précieuse. En particulier, je remercie A. Borkent, J.M. Cumming, M.E. Dillon, G.E. Shewell, B.J. Sinclair, H.J. Teskey, J.R. Vockeroth et D.M. Wood de la Section des Diptères. Je tiens à remercier plus spécialement J.F. McAlpine de son appui, de sa patience et de ses précieuses suggestions tout au long de ce travail. Je remercie également M.E. Dillon de m'avoir aidé à localiser certains types de Chironomidés qui étaient prêtés ou absents de la Collection, et J.-F. Landry d'avoir traduit en français les parties d'introduction. L. Speers du Centre de recherches biosystématiques a produit l'original prêt à reproduire de ce catalogue.

## BIBIONIDAE

***Bibio carri*** Curran, 1927, Can. Ent. 59: 80. CANADA.
Holotype ♀: Medicine Hat, Alta., 24-IV-26, F.S. Carr/Holotype Bibio carri ♀ Curran, CNC No. 2333.

***Bibio columbiaensis*** Hardy, 1938, Can. Ent. 70: 207. CANADA.
Holotype ♂: Jesmond, B.C. 3.IX.1937, J.K. Jacob/Holotype Bibio columbiaensis Hardy, CNC No. 4401/Holotype ♂ Bibio columbiaensis Hardy, Det. 1938, D.E. Hardy.
Paratypes: 4♂♂, British Columbia.

***Bibio hirtus*** Loew, 1864, Berl. ent. Z. 8: 51. USA.
Syntype: 1♀, Cala.,/Loew coll./Bibio hirtus L./(red label) Types 1251 Paratype Bibio hirtus Loew CNC No. 2142/Syntype Bibio hirtus Loew CNC No. 2142.
Remarks: This specimen appears to be a syntype; there was no holotype selected in the original description. I could not find any evidence of a lectotype designation.

***Bibio jacobi*** Hardy, 1938, Can. Ent. 70: 209. CANADA.
Holotype ♂: Dunn Pk., B.C., 12.VIII.1937, J.K. Jacob/Holotype Bibio jacobi Hardy, CNC No. 4403/Holotype ♂ Bibio jacobi Hardy, Det. 1938, D.E. Hardy.
Remarks: Label on holotype gives a date of 12.VIII.1937 with no listed elevation of 8500 ft. But the original description lists a date of 9.VIII.1937, with an elevation of 8500 ft.

***Bibio jacobi*** var. ***rufitibialis*** Hardy, 1938, Can. Ent. 70: 209. CANADA.
Holotype ♂: Dunn Pk., B.C., 9.VIII.1937, J.K. Jacob/Holotype Bibio jacobi rufitibialis Hardy, CNC No. 4402/Holotype ♂ Bibio jacobi rufitibialis Hardy, Det. 1938 D.E. Hardy.
Remarks: Locality label for holotype does not give any elevation information, but the original description lists an elevation of 8500 ft.

***Bibio knowltoni*** n.var. ***pallidus*** Hardy, 1937, Proc. Utah Acad. Sci. 14: 203. USA.
Paratypes: 3♂♂, Utah, CNC No. 4297.

***Bibio lacteipennis*** Curran, 1924, Can. Ent. 56: 250. CANADA.
Holotype ♂: Revelstoke Mt., B.C., Elevation 6000 ft., 12.VIII.1923 P.N. Vroom/Holotype Bibio lacteipennis Curr., CNC No. 714/Allotype lacteipennis Curr. CNC No. 714.
Allotype ♀: Same data as holotype.
Paratypes: 17♂♂, 3♀♀, British Columbia.
Remarks: Holotype and allotype are mounted on the same pin (in cop.).

***Bibio lacteipennis*** n.var. ***nigrita*** Curran, 1924, Can. Ent. 56: 250. CANADA.
Holotype ♂: Revelstoke Mt., B.C., Elevation 6000 ft., 12.VIII.1923, E.R. Buckell/Holotype Bibio lacteipennis nigrita Curr., CNC No. 715.
Paratype: 1♂, British Columbia.
Remarks: Labeled holotype gives a date of 12.VIII.1923, but the original description lists a date of 12.VIII.1922.

***Bibio longipes*** Loew, 1864, Berl. ent. Z. 8: 55. USA.
Syntype: 1♂, D.C./Loew coll./Paratype Bibio longipes Loew CNC No. 2143/(red label) Types 12517/Bibio longipes L./Syntype Bibio longipes Loew, CNC No. 2143.
Remarks: This specimen appears to be a syntype; there was no holotype selected in the original description. I could not find any evidence of a lectotype designation.

***Bibio lucens*** Hardy, 1937, Proc. Utah Acad. Sci. 14: 203. CANADA.
Holotype ♂: Miner's Bay, Ont., 26.V.1929, G.S. Walley/Holotype Bibio lucens Hardy, CNC No. 4295/Holotype ♂ Bibio lucens Hardy, Det. 1937 D.E. Hardy.
Paratypes: 2♂♂, Ontario.
Remarks: Contrary to the original description, the holotype and two paratypes are deposited in the CNC.

***Bibio melanopilosus*** Hardy, 1936, Proc. Utah Acad. Sci. 13: 195. USA.
Paratypes: 6♂♂, Utah, CNC No. 4294.

***Bibio necotus*** Hardy, 1937, Proc. Utah Acad. Sci. 14: 205. USA.
Paratype: 1♂, California, CNC No. 4354.

***Bibio nigrifemoratus*** Hardy, 1937, Proc. Utah Acad. Sci. 14: 206. CANADA.
Holotype ♂: Monte L., B.C., 13.V.1936, J.K. Jacob/Holotype ♂ Bibio nigrifemoratus Hardy, CNC No. 4339/Holotype ♂ Bibio nigrifemoratus Hardy, Det. 1937 D.E. Hardy.
Allotype ♀: Same data as holotype.

***Bibio sericata*** Hardy, 1937, Proc. Utah Acad. Sci. 14: 207. USA.
Paratypes: 11♂♂, British Columbia (Canada), CNC No. 4296.

***Bibio simplicis*** Curran, 1923, Can. Ent. 55: 245. CANADA.
Holotype ♂: Nordegg, Alta., 1.VIII.1921, J. McDunnough/Holotype Bibio simplicis Curran, CNC No. 588/5500 ft.
Allotype ♀: Same data as holotype, except 26.VII.1921.
Paratype: 8♂♂, Alberta.

***Bibio variabilis*** Loew, 1864, Berl. ent. Z. 8: 53. USA.
Syntype: 1 ♂ (No locality label on specimen), Loew Coll./Paratype Bibio variabilis Loew, No. 2144/(pink label)/(red label) Types 12522/Bibio variabilis L./Syntype Bibio variabilis Loew, CNC No. 2144.
Remarks: This specimen appears to be a syntype; there was no holotype selected in the original description. I could not find any evidence of a lectotype designation.

***Dilophus serotinus*** Loew, 1861. Berl. ent. Z. 5: 315. USA.
Syntype: 1 ♀, Ill./Loew Coll./Paratype Dilophus serotinus Loew/(red label) Types 12528/Dilophus serotinus L./Syntype Dilophus serotinus Loew, CNC No. 2145.
Remarks: This specimen appears to be a syntype; there was no holotype selected in the original description. I could not find any evidence of a lectotype designation.

***Hesperinus flagellaria*** Garrett, 1925, Sixty-one new Diptera. p. 11. CANADA.

Holotype ♂: Cranbrook, B.C. 27.VI.,/C. Garrett Collector/Holotype Hesperinus flagellaria Garrett, CNC No. 7913/Holotype Hesperinus flagellaria Garrett, C.B.D. Garrett.
Allotype ♀: Same as holotype except 10.VII.
Paratype: 1♂, British Columbia.

***Philia breviceps*** n.var. ***ateleстes*** Hardy, 1937, Proc. Utah Acad. Sci. 14: 210. CANADA.
Paratype: 1♀, Quebec, CNC No. 4340.

***Plecia quatei*** Hardy, 1967, Pacif. Insects 9(3): 524. NEPAL.
Paratype: 1♂, Nepal, CNC No. 16978.

BLEPHARICERIDAE

***Bibiocephala canadensis*** Garrett, 1922, Insecutor Inscit. menstr. 10(1-3): 89.
Syntypes: 1♂, 1♀, British Columbia, CNC No. 591.
Remarks: Male syntype has the terminalia dissected; terminalia stored in microvial with glycerine. There is also a syntype deposited in British Museum (see letter to Garrett from JRV).

***Bibionus griseus*** Curran, 1923, Can. Ent. 55: 268. CANADA.
Holotype ♂: Nordegg, Alta., 26.VI.1921, J. McDunnough/Holotype Bibionus griseus Curran, CNC No. 587/Idema illustration.

***Elporia natalensis*** Stuckenberg, 1955, Ann. Natal Mus. 13(2): 191. SOUTH AFRICA.
Paratype: 1♂, South Africa, CNC No. 6973.

***Liponeura deceptrix*** Zwick, 1978, Bonn. zool. Beitr. 29(1-3): 249. SPAIN.
Paratypes: 2♂♂, Spain, CNC No. 17216.
Remarks: The 2 paratypes above had been deposited in the Zoologisches Forschungsinstitut und Museum Alexander Koenig; however, since these 2 specimens originated from the CNC, they are now deposited in the CNC.

***Liponeura nevadensis*** Zwick, 1978, Bonn. zool. Beitr. 29(1-3): 256. SPAIN.
Holotype ♂: N. slope Veleta, Sierra Nevada, Spain 2200 m/30.VII.1960 J.R. Vockeroth/Holotype Liponeura nevadensis Zwick/Holotype Liponeura nevadensis Zwick, CNC No. 17215/Liponeura vockerothi sp.n. Mannheims det. 1967.
Paratype: 1♀, Spain.
Remarks: The holotype and paratype had been deposited in the Zoologisches Forschungsinstitut und Museum Alexander Koenig; however, since the material originated from the CNC, it is now deposited in the CNC. The apical portion of the abdomen and terminalia are mounted on a plastic microslide, pinned with the specimen. The elevation on the labeled holotype specimen is 2200 m not 2000 m as given in the original description.

***Paulianina (Paulianina) umbra*** Stuckenberg, 1959 Mém. Inst. scient. Madagascar (E) (1958), 10: 137. MADAGASCAR.
Paratype: 1♂, Madagascar, CNC No. 6974.

***Philorus aylmeri*** Garrett, 1923, Can. Ent. 55: 244. CANADA.
Holotype ♂: Aylmer Creek, Minnewanka/Banff Alta., 30.VIII.22/C. Garrett Collector/Holotype Philorus aylmeri Garr., CNC No. 589/Slide No. 102/Philorus aylmeri C.B.D. Garrett Monotype.
Remarks: Holotype has both wings mounted on a microscope slide. The terminalia appear to have been cut from the holotype and lost.

***Philorus markii*** Garrett, 1925, Seventy new Diptera. p. 5. CANADA.
Syntypes: 2♂♂, British Columbia, CNC No. 7931.

CECIDOMYIIDAE

***Camptomyia pseudotsugae*** Hedlin & Johnson, 1968, Can. Ent. 100: 532. USA.
Holotype ♂ (slide): Centralia, Wh. USA, Coll. 10.2.59 N.E. Johnson. Larvae in scales of cones of Pseudotsuga menziesii, emer. 5.30.60. Holotype ♂ Camptomyia pseudotsugae n.sp. CNC No. 9718.
Paratypes: 2♂♂, 1♀ (slides), Washington; 1♀ (slide), British Columbia (Canada).

***Cecidomyia accola*** Vockeroth, 1960, Can. Ent. 92: 76. CANADA.
Holotype ♂ (slide): Espanola, Ont., 2.VI.1958 Host: Pinus banksiana 558-0532-02, #67 Holotype Cecidomyia accola Vockeroth, CNC No. 6834. Det. lot 58-314, vial 19 J.R. Vockeroth 20.1.59 A. c-t, diaphane.
Paratypes: 4♀♀ (slides), Ontario.

***Cecidomyia banksianae*** Vockeroth, 1960, Can. Ent. 92: 73. CANADA.
Holotype ♂ (slide): Stead, Man., V.1957, W.A. Reeks. Ex larva at base of shoot of Pinus banksiana; pupa in cocoon on needle. Cecidomyia banksianae ♂ Vockeroth Holotype, CNC No. 6833. Det. lot 57-687, J.R. Vockeroth 18.VI.1958 G. c-t, diaphane.
Paratypes: 3♂♂, 13♀♀ (slides), Ontario; 2♂♂, 4♀♀(slides), 6 larvae (alcohol), Manitoba.
Remarks: Seven of the paratypes have associated pupal exuviae plus larvae stored in CNC alcohol collection.

***Cecidomyia reeksi*** Vockeroth, 1960, Can. Ent. 92: 70. CANADA.
Holotype ♂ (slide): Stead, Man., V.1957 W.A. Reeks. Ex larva in pitch mass on Pinus banksiana; pupa in pitch. Holotype Cecidomyia reeksi Vockeroth, CNC No. 6832. Det. lot 57-687 J.R. Vockeroth 18.XI.1958 G. c-t, diaphane.
Paratypes: 5♂♂, 4♀♀ (slides), 20 larvae (alcohol), Manitoba; 6♂♂, 6♀♀ (slides), Ontario.

***Dasyneura rachiphaga*** Tripp, 1955, Can. Ent. 87: 259. CANADA.
Holotype ♂ (slide): Kemptville, Ont. Can. May, 1954. Host: Rachis of W. spruce cone (P. glauca). Dasyneura rachiphaga Tripp, Det. H.A. Tripp Holotype CNC No. 6255.

***Dasyneura sassafras*** Felt, 1916, Can. Ent. 48: 29. CANADA.
Holotype ♀ (slide): Jordon, Ont. 12.8.1915 W.A. Ross, 9. Sept '15 a2676 N.Y. State Museum. Entomologic division Type Dasyneura sassafras Felt. Type Dasyneura sassafras CNC

No. 1878, Date Entomological Branch Ottawa, Canada.

***Phytophaga carpophaga*** Tripp, 1955, Can. Ent. 87: 261. CANADA.
Holotype ♂ (slide): Dunrobin, Ont. Canada May 7, 1953. Host - white spruce (P. glauca) seed. Holotype Phytophaga carpophaga Tripp Det. H.A. Tripp. Holotype CNC No. 6256.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 5♂♂, 2♀♀ (slides), 1 pupa (slide), 3 larvae (slides), Ontario.

***Phytophaga piceae*** Felt, 1926, Can. Ent. 58: 229. CANADA.
Syntypes: 23 ♂♂, 1 ♀, CNC No. 2288.
"♂"; Aweme, Man., N. Criddle, 1.V.1926/Paratype Phytophaga piceae Felt, No. 2288/Phytophaga piceae Type Felt/ Syntype Phytophaga piceae Felt, CNC No. 2288.
"22♂♂, 1♀"; Aweme, Man., N. Criddle 1.V.1926/Paratype P. piceae Felt, No. 2288/Syntype Phytophaga piceae Felt, CNC No. 2288.
Remarks: All type specimens in the CNC, although labeled as paratypes, are in fact syntypes.

***Zygoneura fenestrata*** Malloch, 1914, Bull. Ill. St. Lab. nat. Hist. (1915) 10(4): 233. USA.
Paralectotypes: 1♂, 1♀, Illinois, CNC No. 2701.
Remarks: For lectotype designation see Frison (1927, p. 180).

## CERATOPOGONIDAE

***Alluaudomyia caribbeana*** Spinelli & Wirth, 1984, Proc. ent. Soc. Wash. 86(3): 678. BELIZE.
Paratype: 1♂ (slide), Arizona (USA), CNC No. 19536.
Remarks: In the original description of *A. caribbeana*, *Alluaudomyia* is incorrectly spelled as *Aluaudomyia*.

***Amerohelea pseudofasciata*** Grogan & Wirth, 1981, Proc. biol. Soc. Wash. 94(4): 1286. BRAZIL.
Paratype: 1♀ (slide), Brazil, CNC No. 19537.

***Atrichopogon bifidus*** Ewen, *in* Ewen & Saunders 1958, Can. J. Zool. 36: 694. BRAZIL.
Holotype larva (slide): Nictheroy, Brazil, 31.VII.1923 coll. L.G. Saunders/Holotype larva Atrichopogon bifidus Ewen, CNC No. 6635/Paratype Atrichopogon bifidus Ewen, CNC No. 6635/Diptera Heleidae Atrichopogon bifidus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupa (slide), Brazil.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon caribbeanus*** Ewen, *in* Ewen & Saunders 1958, Can. J. Zool. 36: 683. TOBAGO, BRITISH WEST INDIES.
Holotype larva (slide): Tobago, B.W.I., 31.V.1953, coll. L.G. Saunders/Holotype larva Atrichpogon caribbeanus Ewen, CNC No. 6630/Paratype Atrichopogon caribbeanus Ewen, CNC No. 6630/Diptera Heleidae Atrichopogon caribbeanus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Tobago, 1♂, 1♀, 1 larva, 1 pupal exuviae (alcohol), British West Indies.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon corpulentus*** Ewen, *in* Ewen & Saunders 1958, Can. J. Zool. 36: 681. CANADA.
Holotype larva (slide): Nanaimo, B.C., Canada, 22.VII.1926, coll. L.G. Saunders/Holotype larva Atrichopogon corpulentus Ewen, CNC No. 6629/Paratype Atrichopogon corpulentus Ewen, CNC No. 6629/Diptera Heleidae Atrichopogon carpulentus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 5 larvae, 2♂♂, 1♀ (alcohol), British Columbia.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon crinitus*** Ewen, *in* Ewen & Saunders 1958, Can. J. Zool. 36: 717. CANADA.
Holotype larva (slide): Nanaimo, B.C., Canada, 22.VII.1926, coll. L.G. Saunders/Holotype larva Atrichopogon crinitus Ewen, CNC No. 6640/Paratype Atrichopogon crinitus Ewen, CNC No. 6640/Diptera Heleidae Atrichopogon crinitus Ewen all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 1♂, 1 pupal exuviae (alcohol), British Columbia.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon flavus*** Ewen *in* Ewen & Saunders 1958, Can. J. Zool. 36: 697. CANADA.
Holotype larva (slide): Saskatoon (Beaver Creek), Sask., Canada, 8.X.1955/Holotype larva Atrichopogon flavus Ewen, CNC No. 6636/Paratype Atrichopogon flavus Ewen, CNC No. 6636/Diptera Heleidae Atrichopogon flavus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 4 larvae, 1 pupal exuviae, 1♂, 1♀ (alcohol), Saskatchewan.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon humicolus*** Ewen, *in* Ewen & Saunders 1958, Can. J. Zool. 36: 679. CANADA.
Holotype larva (slide): Saskatoon, Sask., Canada, 9.IX.1955/Holotype larva Atrichopogon humicolus Ewen CNC No. 6628/1 paratype Atrichopogon humicolus Ewen, CNC No. 6628. Paratype Atrichopogon humicolus Ewen, CNC No. 6628/Diptera Heleidae Atrichopogon humicolus Ewen all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 3 larvae, 4♂♂ 3♀♀ (alcohol), Saskatchewan.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon inconspicuus*** Ewen, *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 706. CANADA.
Holotype larva (slide): Saskatoon, Sask., Canada, 17-24.IX.1955/Holotype larva Atrichopogon inconspicuus Ewen, CNC No. 6639/Paratype Atrichopogon inconspicuus Ewen, CNC No. 6639/Diptera Heleidae Atrichopogon inconspicuus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 3 pupal exuviae, 2♂♂, 2♀♀ (alcohol), Saskatchewan.

Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon incultus*** Ewen, *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 699. COSTA RICA.
Holotype larva (slide): Siquirres, Costa Rica, 6-9.VI.1956, coll. L.G. Saunders/Holotype larva Atrichopogon incultus Ewen, CNC No. 6637/Paratype Atrichopogon incultus Ewen, CNC No. 6637/Diptera Heleidae Atrichopogon incultus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 3 larvae, 3♀♀ (alcohol), Costa Rica.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon longicornis*** Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 700. COSTA RICA.
Holotype larva (slide): Siquirres, Costa Rica, 18.VI.1956, Coll. L.G. Saunders/Holotype larva Atrichopogon longicornis Ewen, CNC No. 6638/Paratype Atrichopogon longicornis Ewen, CNC No. 6638/Diptera Heleidae Atrichopogon longicornis Ewen, larva, ♀,♂.
Paratypes: 1♂, 1♀ (slide), 1♀ (alcohol), Costa Rica.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon maculosus*** Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 689. CANADA.
Holotype larva (slide): Saskatoon (Beaver Creek), Sask., Canada, 25-28.VIII.1955/ Holotype larva Atrichopogon maculosus Ewen, CNC No. 6633/Paratype Atrichopogon maculosus Ewen, No. 6633/Diptera Heleidae Atrichopogon maculosus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 3 larvae, 4 pupae, 4 pupal exuviae, 1♂, 2♀♀ (alcohol), Saskatchewan.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon obscurus*** Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 685. PUERTO RICO.
Holotype larva (slide): Mayaguez, Puerto Rico, 25.II.1953, Coll. L.G. Saunders/Holotype larva Atrichopogon obscurus Ewen, CNC No. 6631/Paratype Atrichopogon obscurus Ewen, CNC No. 6631/Diptera Heleidae Atrichopogon obscurus Ewen, larva, pupa, ♀.
Paratypes: 1♀ (slide), 1 pupal exuviae (slide), 2 larvae (alcohol), Puerto Rico.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon occidentalis*** Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 120. USA.
Paratype: 1♀ (slide), California, CNC No. 19484.

***Atrichopogon pollinivorus*** Downes, 1955, Trans. R. ent. Soc. Lond. 106(12): 442. SCOTLAND.
Paratypes: 13♂♂, 26♀♀ (pinned), 1♂, 1♀ (slides), Scotland, CNC No. 17476.

***Atrichopogon remigatus*** Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 687. BRAZIL.
Holotype larva (slide): Petropolis, Brazil, 27.VII.1923, Coll. L.G. Saunders/Holotype larva Atrichopogon remigatus Ewen, CNC No. 6632/Paratype Atrichopogon remigatus Ewen, No. 6632/Diptera Heleidae Atrichopogon remigatus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Brazil.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon saundersi*** Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 691. PUERTO RICO.
Holotype larva (slide): Mayaguez, Puerto Rico, 27.III.1953, coll. L.G. Saunders/Holotype larva Atrichopogon saundersi Ewen, CNC No. 6634/Paratype Atrichopogon saundersi Ewen, No. 6634/Diptera Heleidae Atrichopogon saundersi Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 2 larvae, 3 pupal exuviae, 2♂♂, 2♀♀ (alcohol), Puerto Rico.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon tuberculatus*** Ewen *in* Ewen & Saunders 1958, Can. J. Zool. 36: 709. TRINIDAD, BRITISH WEST INDIES.
Holotype larva (slide): Macaras, Trinidad, B.W.I., 14.VII.1957, coll. L.G. Saunders/Holotype larva Atrichopogon tuberculatus Ewen, CNC No. 6641/Paratype Atrichopogon tuberculatus Ewen, CNC. 6641/Diptera Heleidae Atrichopogon tuberculatus Ewen, all stages.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Trinidad; 1♂, 1 larva, 1 pupal exuviae (alcohol), British West Indies.
Remarks: The holotype and paratypes are mounted on the same slide.

***Atrichopogon warmkei*** Wirth, 1956, Proc. ent. Soc. Wash. 58 (5): 243. PUERTO RICO.
Paratype: 1♀ (slide), Florida, CNC No. 19485.

***Atrichopogon (Meloehelea) downesi*** Wirth, 1980, Proc. ent. Soc. Wash. 82 (1): 129. USA.
Paratypes: 5♀♀ (slides), Tennessee; 12♀♀ (slides), Maine; 2♂♂, 9♀♀ (slides), New Brunswick (Canada); 10♀♀ (slides), Quebec (Canada); 2♂♂, 7♀♀ (slides), Ontario (Canada), CNC No. 17423.

***Bezzia aklavikensis*** Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 495. CANADA.
Holotype ♂ (slide): Aklavik, N.W.T., 21.VII.1953, C.D. Bird/Holotype ♂ Bezzia aklavikensis Wirth & Grogan, CNC No. 19538/Date Coll., No. J.A.D., Can. Nat. Collection.
Allotype ♀ (slide): Same data as holotype.

***Bezzia andersonorum*** Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 497. USA.
Allotype ♀ (slide): Bezzia andersonorum Wirth & Grogan, Allotype ♀, Loc. Rowanton Depot, P.Q., PARATYPE, Date 28.VI.54 Coll. J.A. Downes, No. J.A.D. 03.I.92, L.F., Can. Nat. Collection, CNC No. 19539/Det. M.J. Dow.

***Bezzia biannulata*** Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 237. USA.
Paratype: 1♀ (slide), California, CNC No. 19540.

***Bezzia chelistyla*** Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 504. USA.
Paratype: 1♀ (slide), Arizona, CNC No. 19541.

***Bezzia coloradensis*** Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 238. USA.
Paratype: 1♀ (slide), California, CNC No. 19542.

***Bezzia downesi*** Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 93. USA.

Holotype ♂ (slide): Loc. Mt. Katahdin, Maine, 4600' Date 1.VII.68, Coll. D.R. Oliver, No. J.A.D. 579/21/1 L.F., Holotype Bezzia downesi n. sp. Sp. 35 2/Det. M.I. Dow/Holotype Bezzia downesi Dow & Turner, CNC No. 17446.
Allotype ♀ (slide): Same data as holotype.
Paratype: 1♂ (slide), Maine.

***Bezzia fairchildi*** Wirth, 1983, Fla Ent. 66(3): 303. USA.
Paratypes: 1♂, 2♀♀ (slides), Florida, CNC No. 19543.

***Bezzia frontispina*** Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 138. USA.
Paratype: 1♀ (slide), Arizona, CNC No. 19525.

***Bezzia gibberella*** Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 508. USA.
Paratypes: 1♂, 1♀ (slides), Maryland; 2♂♂ (slidcs), Quebec, (Canada), CNC No. 19544.

***Bezzia luteiventris*** Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 510. USA.
Paratypes: 1♂, 1♀ (slides), Virginia, CNC No. 19545.

***Bezzia magnisetula*** Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 46. CANADA
Holotype ♂ (slide): Churchill, Man. 14 July 1953, 63/3/351, J.A. Downes, det. M.I. Dow/Holotype Bezzia magnisetula det. M.I. Dow, CNC No. 17445.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 4♂♂, 4♀♀ (pinned), 3♂♂, 3♀♀ (slides), Manitoba.

***Bezzia mohave*** Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 511. USA.
Allotype ♂ (slide): Loc. Willis Palms Oasis, Thousand Palms, Calif., Date 5.IV.55, Coll. W.R. Richards, No. J.A.D., Can. Nat. Collection L.F. CNC No. 19546/ALLOTYPE ♂ Bezzia mohave Wirth & Grogan/Det. M.J. Dow CNC.

***Bezzia saileri*** Wirth, 1983, Proc. ent. Soc. Wash. 85(4): 770. USA.
Paratypes: 2♂♂, 2♀♀ (slides), Alaska, CNC No. 19547.
Remarks: Three of the paratypes have dates of 29.V.1948.

***Bezzia sandersoni*** Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 514. USA.
Paratypes: 1♂, 1♀ (slides), Arizona, CNC No. 19548.

***Bezzia setosinotum*** Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 517. USA.
Paratypes: 1♂, 1♀ (slides), Maryland, CNC No. 19549.

***Bezzia sordida*** Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 232. USA.
Paratypes: 2♂♂, 2♀♀ (slides), California, CNC No. 19550.

***Bezzia suffusa*** Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 110. CANADA.
Holotype ♂ (slide): Churchill, Man. 12 July 1953, J.A. Downes 62/1/94. Holotype ♂/Holotype Bezzia suffusa Dow & Turner, CNC No. 17475/Det. M.I.Dow.
Paratypes: 2♂♂ (pinned), 4♂♂ (slides), Manitoba.
Remarks: The date on the type specimens is 12 July 1953, which differs from the original description of 2 July 1953.

***Bezzia twinni*** Wirth, 1983, Proc. ent. Soc. Wash. 85(4): 774. CANADA.
Holotype ♀ (slide): Churchill, Man., 14.VII.1953, J.A. Downes/HOLOTYPE ♀, Bezzia twinni Wirth/Loc. Date. 14.VII.1953, Coll. J.A. Downes, No. J.A.D. 63.3.104, L.F., Can. Nat. Collection, CNC No. 19551.
Allotype ♂ (slide): Same data as holotype, except 63.3.316.
Paratypes: 3♂♂, 8♀♀ (slides), Manitoba.

***Bezzia unispina*** Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 114. USA.
Paratype: 1♀ (slide), Alaska, CNC No. 17447.
Remarks: There are 3 additional specimens labeled as paratypes but they are from a locality not published in the original description.

***Brachypogon canadensis*** Downes, 1976, Can. Ent. 108: 1147. CANADA.
Holotype ♂ (slide): Rowanton, P.Q., 29 June 1954, J.A. Downes 103/1/94/Holotype Brachypogon canadensis Downes, CNC No. 17449/Brachypogon canadensis ♂, Loc. Date Coll. No. J.A.D. Can. Nat. Collection.
Allotype ♀ (slide): Same data as holotype, except 103/1/93.
Paratypes: 1♀ (slide), Quebec; 1♀ (slide), Michigan (USA); 1♂ (slide), Maryland (USA); 1♂, 1♀ (slide), Florida (USA).

***Brachypogon kraussi*** Grogan & Wirth, 1981, Pacif. Insects 23(1-2): 93. SOLOMON ISLANDS.
Paratype: 1♂ (slide), Solomon Island, CNC No. 17521.

***Brachypogon tokunagai*** Grogan & Wirth, 1981, Pacif. Insects 23(1-2): 96. SOLOMON ISLANDS.
Paratypes: 1♂, 1♀ (slides), Solomon Island, CNC No. 17522.

***Ceratopogon fusinervis*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10: 308. USA.
Paralectotype: 1♀, Illinois, CNC No. 2702.
Remarks: For lectotype designation see Frison (1927, p. 169).

***Ceratopogon pictus*** Coquillett, 1905, Jl N.Y. ent. Soc. 13: 60. USA.
Remarks: One specimen (♂ Fair Grounds, Urbana, Illinois, 20 May 1914) bears two type labels: (1) Allotype Hartomyia picta (Coq.) ♂, and (2) Paratype Hartomyia picta Coq. CNC No. 2700. Its designation as such is based on the remarks of Frison (1927, p. 171). Clearly the specimen was not before Coquillett when he described the species, and therefore, it has no type status. The name ***Ceratopogon pictus*** was preoccupied by Meigen 1818, and the species was renamed ***C. coquilletti*** Kieffer (Kieffer 1917); it is now placed in the genus ***Stilobezzia*** (***Stilobezzia***).

***Culicoides achrayi*** Kettle & Lawson, 1955, Proc. R. ent. Soc. Lond. 24(3-4): 37. SCOTLAND.

Paratypes: 1♂, 1♀ Scotland, CNC No. 19622.

***Culicoides annuliductus*** Wirth, *in* Vitale, Wirth & Aitken, 1981, Proc. ent. Soc. Wash. 83(1): 150. PANAMA.

Paratypes: 1♂, 1♀ (slides), Panama, CNC No. 19520.

***Culicoides archboldi*** Wirth & Blanton, 1970, Fla Ent. 53(1): 39. DOMINICA, WEST INDIES.

Paratypes: 3♂♂, 2♀♀ (slides), Dominica, West Indies, CNC No. 19521.

***Culicoides arizonensis*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 655. USA.

Paratypes: 2♂♂, 3♀♀ (slides), 1♂, 1♀ (pinned), Arizona, CNC No. 17426.

***Culicoides bayano*** Wirth, *in* Vitale, Wirth & Aitken, 1981, Proc. ent. Soc. Wash. 83(1): 152. PANAMA.

Paratypes: 1♂, 1♀ (slides), Panama, CNC No. 19522.

***Culicoides belemensis*** Wirth & Blanton, 1973, Amazoniana 4(4): 427. BRAZIL.

Paratypes: 5♀♀ (slides), Brazil, CNC No. 19523.

***Culicoides bickleyi*** Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55. 188. USA.

Paratypes: 1♂, 24♀♀ (slides), 8♀♀ (pinned), Ontario (Canada), CNC No. 17419.

***Culicoides bredini*** Wirth & Blanton, 1970, Fla Ent. 53(1): 41. DOMINICA, WEST INDIES.

Paratypes: 1♂, 1♀ (slides), Dominica, West Indies, CNC No. 19524.

***Culicoides cacticolus*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 653. USA.

Paratypes: 4♂♂, 13♀♀ (slides), Arizona; 1♂, 2♀♀ (slides), 1♂, 3♀♀ (pinned), California, CNC No. 17427.

Remarks: The 3 pinned female paratypes have a date of 2 Feb 1958, the male pinned paratype has a date of 24 Nov 1957.

***Culicoides canadensis*** Wirth & Blanton, 1969, Fla Ent. 52(4): 211. USA.

Paratypes: 8♂♂, 13♀♀ (pinned), 2♂♂ (slides), Northwest Territories; 3♀♀ (pinned), 1♀ (slide), Yukon Territory (Canada), CNC No. 17410.

Remarks: One paratype from 14 mi west Whitecourt, Alta., 14 Aug 1961, E.L. Kessel - light; is incorrectly listed under the Northwest Territories in the original description.

***Culicoides carvalhoi*** Wirth & Blanton, 1973, Amazoniana 4(4): 429. BRAZIL.

Paratypes: 1♂, 2♀♀ (slides), Brazil, CNC No. 19526.

***Culicoides cockerellii*** ssp. ***saltonensis*** Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 173. USA.

Paratype: 1♀, California, CNC No. 17478.

***Culicoides denticulatus*** Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 193. USA.

Paratypes: 12♂♂, 45♀♀ (slides), 7♂♂, 10♀♀ (pinned), Ontario (Canada), CNC No. 17420.

***Culicoides dominicanus*** Wirth & Blanton, 1970, Ent. News 81: 146. DOMINICA, WEST INDIES.

Paratypes: 1♂, 1♀ (slides), Dominica, West Indies, CNC No. 19527.

***Culicoides downesi*** Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 186. CANADA.

Holotype ♀ (slide): Lake Sasajewun, Algonquin Park, Ontario, 12 June 1958 A. Downes - light trap near ducks Culicoides downesi Wirth & Hubert/Holotype ♀ Culicoides downesi Wirth & Hubert, CNC No. 17421.

Allotype ♀ (slide): Same data as holotype, except 20 June 1958, swept near ducks.

Paratypes: 3♀♀ (slides), Quebec; 3♂♂ (slides), 17♀♀ (pinned), Ontario.

***Culicoides duddingstoni*** Kettle & Lawson, 1955, Proc. R. ent. Soc. Lond. 24(3-4): 42. SCOTLAND.

Paratypes: 2♂♂, 2♀♀ (pinned), Scotland, CNC No. 17518.

Remarks: Both male paratypes have their terminalia mounted on a microscope slide, but I have not been able to locate the slides.

***Culicoides freeborni*** Wirth & Blanton, 1969, Fla Ent. 52(4): 217. USA.

Paratypes: 2♂♂, 3♀♀ (slides), 1♂ (pinned), California; 1♀ (pinned), Washington, CNC No. 17411.

***Culicoides frohnei*** Wirth & Blanton, 1969, Fla Ent. 52(4): 219. USA.

Paratypes: 1♀ (slide), Alaska; 7♀♀ (pinned), 2♂♂, 5♀♀ (slides), Quebec (Canada); 2♂♂ (pinned), 1♂, 2♀♀ (slides), Manitoba (Canada); 1♂, 1♀ (slides), Labrador (Canada); 1♀ (slide), Alberta (Canada); 1♀ (slide), Northwest Territories (Canada), CNC No. 17412.

Remarks: Two paratypes from Manitoba have a date of 8 Aug 1951. Two paratypes from Quebec are labeled with a date of 17 July 1954.

***Culicoides gigas*** Root & Hoffman, 1937, Am. J. Hyg. 25(1): 172. CANADA.

Holotype ♀: Fort a la Corne, Sask., 17.7.1925, Kenneth M. King/Holotype Culicoides gigas Root & Hoffman, CNC No. 4185/Type/One wing kept by Hoffman/Culicoides sp. det. G.S.W./Culicoides gigas Root & Hoffman.

***Culicoides gregsoni*** Wirth & Blanton, 1969, Fla ent. 52(4): 222. CANADA.

Paratypes: 2♀♀ (slides), British Columbia, CNC No. 17413.

***Culicoides haematopotus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10: 302. USA.

Paralectotype: 1♀, Illinois, CNC No. 2703.

Remarks: For lectotype designation see Frison (1927, p. 170).

***Culicoides insolatus*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 654. MEXICO.

Paratypes: 1♂, 2♀♀ (slides), Mexico (Baja), CNC No. 17428.

***Culicoides jamnbacki*** Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 192. USA.

Paratypes: 2♀♀ (slides), Ontario (Canada); CNC No. 17422.

Remarks: There are 3 additional specimens labeled as paratypes, but they were collected from localities not mentioned in the original description. There are 2 additional pinned specimens from Algonquin Park, Ont., collected by J.A. Downes labeled as paratypes; however, Wirth & Hubert in original description list only 1 paratype collected by J.A. Downes and 1 paratype collected by B.V. Peterson from Algonquin Park, Ontario.

***Culicoides lacicola*** Arnaud, 1956, Microentomology, 21(3): 110. JAPAN.
Paratype: 1♀ (slide), Japan, CNC No. 17523.

***Culicoides lahontan*** Wirth & Blanton, 1969, Fla Ent. 52(4): 223. USA.
Paratypes: 2♀♀ (slides), California, CNC No. 17415.

***Culicoides lupicaris*** Downes & Kettle, 1952, Proc. R. ent. Soc. Lond. 21(5-6): 76. SCOTLAND.
Paratypes: 1♀ (pinned), 1♂ (slide), Scotland, CNC No. 6108.
Remarks: The male paratype mounted on slide has only the apical portion of the abdomen and terminalia, plus one wing present.

***Culicoides midorensis*** Arnaud, 1956, Microentomology, 21(3): 113. JAPAN.
Paratypes: 1♂, 1♀ (slides), Japan, CNC No. 17524.

***Culicoides mohave*** Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 187. USA.
Paratype: 1♀, California, CNC No. 17480.

***Culicoides monoensis*** Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 193. USA.
Paratype: 1♀, California, CNC No. 17479.

***Culicoides montanus*** Wirth & Blanton, 1969, Fla Ent. 52(4): 22[illegible]. USA.
Paratypes: 2♀♀ (pinned), Montana; 1♀ (pinned), California; 2♀♀ (slides), Nevada; 1♀ (slide), Wyoming; 1♀ (pinned), Manitoba (Canada); 1♀ (slide), Alberta (Canada); 10♀♀ (pinned), 1♀ (slide), British Columbia (Canada), CNC No. 17414.
Remarks: *C. montanus* was renamed *C. neomontanus* by Wirth (1976, p. 15) and as such these specimens are also the types of *C. neomontanus*.

Culicoides ***neofagineus*** Wirth & Blanton, 1969, Fla Ent. 52(4): 227. USA.
Paratypes: 1♂, 1♀ (slides), California, CNC No. 17416.

***Culicoides popayanensis*** Wirth & Lee, 1967, Proc. U.S. natn. Mus. 124 (3626): 10. COLOMBIA.
Paratypes: 2♀♀ (slides), Colombia, CNC No. 19528.

***Culicoides pseudochiopterus*** Downes & Kettle, 1952, Proc. R. ent. Soc. Lond. 21(5-6): 67. SCOTLAND.
Remarks: A tray in the CNC pinned collection of Ceratopogonidae has a label stating 8 paratypes in the CNC alcohol collection. However these paratypes I have not been able to locate; they had been given a CNC type No. of 6107 in 1953 by J.F. McAlpine.

***Culicoides puracensis*** Wirth & Lee, 1967, Proc. U.S. natn. Mus. 124 (3626): 7. COLOMBIA.
Paratypes: 2♀♀ (slides), Colombia, CNC No. 19529.

***Culicoides raposoensis*** Wirth & Barreto, 1978, J. Med. Ent. 14(5): 561. COLOMBIA.
Paratypes: 1♂, 1♀ (slides), Colombia, CNC No. 19530.

***Culicoides ryckmani*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 656. USA.
Paratypes: 1♂ (slide), California; 3♂♂, 3♀♀ (slides), Arizona; 1♂, 1♀ (slides), 3♀♀ (pinned), Mexico (Baja), CNC No. 17429.

***Culicoides sanmartini*** Wirth & Barreto, 1978, J. med. Ent. 14(5): 553. COLOMBIA.
Paratypes: 1♂, 2♀♀ (slides), Colombia, CNC No. 19531.

***Culicoides scanloni*** Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 187. USA.
Paratypes: 4♀♀ (slides), 3♀♀ (pinned), Florida, CNC No. 17424.

***Culicoides scoticus*** Downes & Kettle, 1952, Proc. R. ent. Soc. Lond. 21(5-6): 65. SCOTLAND.
Paratype: 1♂ (slide), Scotland, CNC No. 6109.
Remarks: The above paratype is mounted on a slide, but only the wing is present on the side. A tray in the CNC pinned collection indicates there should be some paratypes in the CNC alcohol collection, but these I have not been able to locate.

***Culicoides sierrensis*** Wirth & Blanton, 1969, Fla Ent. 52(4): 232. USA.
Paratype: 1♀ (slide), California, CNC No. 17417.

***Culicoides sitiens*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 652. USA.
Paratypes: 1♂, 1♀ (slides), California, CNC No. 17430.

***Culicoides sommermanae*** Wirth & Blanton, 1969, Fla Ent. 52(4): 234. USA.
Paratypes: 2♂♂, 3♀♀ (slides), Alaska, CNC No. 17418.

***Culicoides sphagnumensis*** Williams, 1955, Proc. ent. Soc. Wash. 57(6): 269. USA.
Paratypes: 3♂♂, 3♀♀ (slides), Michigan, CNC No. 17432.

***Culicoides tenuistylus*** Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 178. USA.
Paratype: 1♀, California, CNC No. 17481.

***Culicoides torridus*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 654. MEXICO.
Paratypes: 1♂, 1♀ (slides), Mexico (Baja), CNC No. 17431.

***Culicoides trapidoi*** Wirth & Barreto, 1978, J. med. Ent. 14(5): 554. COLOMBIA.
Paratype: 1♀ (slide), Colombia, CNC No. 19532.

***Culicoides variipennis*** ssp. ***albertensis*** Wirth & Jones, 1957, Tech. Bull. U.S. Dep. Agric. 1170: 17. CANADA.
Holotype ♀: Lethbridge, Alta., 22 July 1955, J.A. Downes 222/4/24/Holotype Culicoides variipennis albertensis W. & J. CNC No.

17433/Holotype Culicoides variipennis albertensis Wirth & Jones.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 11♂♂, 1♀ (pinned), 1♂, 16♀♀ (slides), Alberta.

***Culicoides variipennis*** ssp. ***occidentalis*** Wirth & Jones, 1957, Tech. Bull. U.S. Dept. Agric. 1170: 21. USA.
Paratype: 1♀, California, CNC No. 17477.

***Culicoides vernoni*** Wirth & Blanton, 1973, Amazoniana 4(4): 448. BRAZIL.
Paratypes: 1♂, 1♀ (slides), Colombia, CNC No. 19533.

***Culicoides werneri*** Wirth & Blanton, 1971, J. Kans. ent. Soc. 44(4): 463. USA.
Paratypes: 2♂♂, 3♀♀ (slides), Arizona, CNC No. 17425.

***Culicoides xanifer*** Wirth & Blanton, 1968, Fla Ent. 51(4): 210. PANAMA.
Paratypes: 1♂, 1♀ (slides), Panama, CNC No. 19534.

***Culicoides youngi*** Wirth & Barreto, 1978, J. med. Ent. 14(5): 562. COLOMBIA.
Paratypes: 2♀♀ (slides), Colombia, CNC No. 19535.

***Dasyhelea crassiseta*** Borkent & Forster, 1986, Can. J. Zool. 64(6): 1285. CANADA.
Holotype ♂ (slide): 5 km. E. Erieau, Ont., Rondeau Prov. Pk., 10-VII-1984, A. Borkent/CD 220 #36/HOLOTYPE ♂ Dasyhelea crassiseta Borkent & Forster, CNC No. 18562.
Paratype: 1♂ (slide), Same data as holotype, except slide No. 37.

***Dasyhelea leptobranchia*** Waugh & Wirth, 1976, Ann. ent. Soc. Am. 69(2): 236. USA.
Paratypes: 1♂, 1♀ (slides), Virginia, CNC No. 19488.

***Dasyhelea luteogrisea*** Wirth & Williams, 1957, Proc. ent. Soc. Wash. 59(1): 10. BERMUDA.
Paratype: 1♀ (slide), Florida (USA), CNC No. 19489.

***Dasyhelea pentalineata*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 644. MEXICO.
Paratypes: 1♂, 1♀ (slides), California (USA), CNC No. 19490.

***Dasyhelea pollex*** Borkent & Forster, 1986, Can. J. Zool. 64(6): 1286. SAN SALVADOR IS. BAHAMAS.
Holotype ♂ (slide): San Salvador Is. Bahamas, May 9-15 1982, B. Bowen/Date Coll., No. J.A.D. 1504-1-5, Can. Nat. Collection/ HOLOTYPE I, Dasyhelea pollex Borkent & Forster, CNC No. 18563.
Paratype: 1♂ (slide), Same data as holotype, except slide No. 6.

***Dasyhelea pseudocinta*** Waugh & Wirth, 1976, Ann. ent. Soc. Am. 69(2): 225. USA.
Paratypes: 1♂, 1♀ (slides), 1♂, 1♀ (pinned), New York, CNC No. 19491.

***Dasyhelea ryckmani*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 646. USA.
Paratype: 1♀ (slide), California, CNC No. 19519.

***Echinohelea lanei*** Wirth, 1951, Proc. ent. Soc. Wash. 53(6): 319. USA.
Paratypes: 2♂♂, 1♀ (slides), 1♂ (pinned), Virginia, CNC No. 17466.

***Fittkauhelea amazonica*** Wirth & Blanton, 1970, Fla Ent. 53(1): 9. BRAZIL.
Paratypes: 2♀♀ (slides), Brazil, CNC No. 17469.
Remarks: There are 2 additional female specimens from the same type locality, but these were not labeled as paratypes.

***Forcipomyia desertensis*** Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 639. USA.
Paratype: 1♂ (slide), California, CNC No. 19486.

***Forcipomyia harpegonata*** Wirth & Soria, 1975, Revta Theobroma. 5(2): 19. PUERTO RICO.
Paratypes: 2♂♂, 3♀♀ (slides), Colombia, CNC No. 19487.

***Forcipomyia pergandei*** var. ***concolor*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10: 319. USA.
Paralectotype: 1♀, Illinois, CNC No. 2704.
Remarks: For lectotype designation see Frison (1927, p. 171).

***Forcipomyia simulata*** Walley, 1932, Can. Ent. 64: 165. CANADA.
Holotype ♂: Pembroke, Ont., 8.IX.1931, F.W. Cockburn/In house with Sciara sp./Holotype ♂ Forcipomyia simulata Walley, CNC No. 3381/slide Chiro No. 4/Forcipomyia simulata Wly. Det. G.S. Walley Holot.
Remarks: The abdomen of the holotype is mounted on a microscope slide.

***Forcipomyia (Blantonia) caribbea*** Wirth & Dow, 1971, Fla Ent. 54(4): 289. JAMAICA.
Paratypes: 2♂♂, 2♀♀ (slides), Jamaica; 1♀ (slide), Florida (USA), CNC No. 17435.

***Forcipomyia (Caloforcipomyia) caerulea*** Saunders 1956, Can. J. Zool. 34: 681. BRAZIL.
Holotype ♀ (slide): Rio de Janeiro, Brazil, 8.VII.23, L.G. Saunders Forcipomyia (Caloforcipomyia) caerulea Saund., ♀,♂, larva, pupal exuviae/Type CNC No. 6504/Paratype Forcipomyia (Caloforcipomyia) caerulea Saunders, CNC No. 6504.
Paratypes: 1♂ (slide), 1 larva (slide), 1 pupal exuviae (slide), Brazil.
Remarks: All the above type specimens are mounted on the same slide.

***Forcipomyia (Caloforcipomyia) varicolor*** Saunders, 1956, Can. J. Zool. 34: 683. BRAZIL.
Holotype ♀ (slide, with associated pupal exuvae): Rio de Janeiro, Brazil, 1.VIII.23, L.G. Saunders. Forcipomyia (Caloforcipomyia) varicolor Saund., ♂, larva, pupal exuviae/Type CNC No. 6505/Paratype Forcipomyia (Caloforcipomyia) varicolor Saunders, CNC No. 6505.
Paratypes: 1 larva (slide), Brazil.
Remarks: All the above type specimens are mounted on the same slide.

***Forcipomyia (Dacnoforcipomyia) anabaenae*** Chan & Saunders, 1965, Can. J. Zool. 43: 528. MALAYSIA.
Holotype larva (slide): Singapore, 25.III.62, Forcipomyia (Dacnoforcipomyia) anabaenae Chan and Saunders Larva type, all other stages, No. 8767/Type CNC # 8767/Paratype

Forcipomyia (Dacnoforcipomyia) anabaenae Chan & Saunders, CNC No. 8767.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Malaysia.
Remarks: The holotype and 3 paratypes are mounted on the same slide.

**_Forcipomyia_ (_Euprojoannisia_) _canadensis_** Bystrak & Wirth, 1978, Tech. Bull. U.S. Dept. Agric. 1591: 19. CANADA.
Paratypes: 1♀ (slide), Saskatchewan; 1♂ (slide), 1 pupal exuviae (slide), British Columbia, CNC No. 17436.

**_Forcipomyia_ (_Euprojoannisia_) _dowi_** Bystrak & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1591: 21. USA.
Paratypes: 1♂, 1♀ (slides), Florida, CNC No. 17437.
Remarks: One paratype has a date of Sept 1958, a date not mentioned in the original description.

**_Forcipomyia_ (_Euprojoannisia_) _fascicalcarata_** Bystrak & Wirth, 1978, Tech. Bull. U.S. Dept. Agric. 1591: 23. USA.
Paratype: 1♀ (slide), Florida, CNC No. 17437.
Remarks: There is one additional ♂ specimen labeled as a paratype but it is from a locality not mentioned in the original description.

**_Forcipomyia_ (_Euprojoannisia_) _navaiae_** Bystrak & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1591: 31. USA.
Paratypes: 1♂, 1♀ (slides), Florida, CNC No. 17438.

**_Forcipomyia_ (_Euprojoannisia_) _unica_** Bystrak & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1591: 44. USA.
Paratypes: 5♀♀ (slides), Florida, CNC No. 17439.

**_Forcipomyia_ (_Forcipomyia_) _bystraki_** Grogan & Wirth, 1975, Proc. ent. Soc. Wash. 77(4): 466. USA.
Paratypes: 1♂, 2♀♀ (slides), Virgina; 2♂♂, 4♀♀ (slides), Florida, CNC No. 17434.

**_Forcipomyia_ (_Lasiohelea_) _attenuata_** Saunders, 1964, Can. J. Zool. 42: 469. COSTA RICA.
Holotype larva (slide): La Lola, Costa Rica, 2.VI.56, L.G. Saunders. Forcipomyia (Lasiohelea) attenuata, all stages, CNC # 7111/Type larva/Paratype Forcipomyia (Lasiohelea) attenuata Saunders, CNC No. 7111.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Costa Rica.
Remarks: The holotype and 3 paratypes are mounted on the same slide.

**_Forcipomyia_ (_Lasiohelea_) _cornuta_** Saunders, 1964, Can. J. Zool. 42: 464. COSTA RICA.
Holotype larva (slide): Nr. Siquirres, Costa Rica, 4.VI.56, L.G. Saunders. Forcipomyia (Lasiohelea) cornuta CNC # 7113 all stages/Type larva/Paratypes Forcipomyia (Lasiohelea) cornuta Saunders, CNC No. 7113.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Costa Rica.
Remarks: The holotype and paratypes are mounted on the same slide.

**_Forcipomyia_ (_Lasiohelea_) _flavescens_** Saunders, 1964, Can. J. Zool. 42: 471. PHILIPPINES.
Holotype larva (slide): Luna, P.I., 25.X.61, L.G. Saunders. Forcipomyia (Lasiohelea) flavescens, all stages, CNC # 8405/Type larva/Paratype Forcipomyia (Lasiohelea) flavescens Saunders, CNC No. 8405.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Philippines.
Remarks: The holotype and 3 paratypes are mounted on the same slide.

**_Forcipomyia_ (_Lasiohelea_) _longineura_** Saunders, 1964, Can. J. Zool. 42: 470. PHILIPPINES.
Holotype larva (slide): Luna, P.I. 25.X.61, L.G. Saunders. Forcipomyia (Lasiohelea) longineura, all stages, CNC # 8406/Type larva/Paratype Forcipomyia (Lasiohelea) longineura Saunders, CNC No. 8406.
Paratypes: 1♂, 1♀ (slide), 1 pupa (slide), 1 pupal exuviae (slide), Philippines.
Remarks: The holotype and 4 paratypes are mounted on the same slide.

**_Forcipoymia_ (_Lasiohelea_) _intermedia_** Saunders, 1964, Can. J. Zool. 42: 468. COSTA RICA.
Holotype larva (slide): Nr. Siquirres, Costa Rica, 15.V.56, L.G. Saunders. Forcipomyia (Lasiohelea) intermedia, all stages, CNC # 7110/Type larva/Paratype Forcipomyia (Lasiohelea) intermedia Saunders, CNC No. 7110.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Costa Rica.
Remarks: The holotype and 3 paratypes are mounted on the same slide.

**_Forcipomyia_ (_Lasiohelea_) _quasicornuta_** Saunders, 1964, Can. J. Zool. 42: 467. COSTA RICA.
Holotype larva (slide): Nr. Siquirres, Costa Rica, 6.V.56, L.G. Saunders. Forcipomyia (Lasiohelea) quasicornuta all stages, CNC # 7112/Type larva/Paratype Forcipomyia (Lasiohelea) quasicornuta Saunder, CNC No. 7112.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), 1 larval exuviae (slide), Costa Rica.
Remarks: The holotype and 5 paratypes are mounted on the same slide.

**_Forcipomyia_ (_Metaforcipomyia_) _cerifera_** Saunders, 1956, Can. J. Zool. 34: 685. BRAZIL.
Holotype ♀ (slide): Rio de Janeiro, Brazil, 1.VIII.23. Forcipomyia (Metaforcipomyia) cerifera Saund., ♀, ♂ heads, ♀, 3rd leg, Inst. of Parasitol, Cambridge Univ., L.G. Saunders/Slide 2/Type CNC No. 6506/Paratype Forcipomyia (Metaforcipomyia) cerifera Saunders, CNC No. 6506.
Paratypes: 1♂ (slide), 1 larva (slide), Brazil.
Remarks: All of the type series (exclusive of 3 larvae which have not been located) is mounted on four slides (slides 1-4, CNC type no. 6506). The head and hind leg of the holotype ♀ are mounted on slide No 2, along with the head of a male. The two wings of the holotype ♀, one intact and unstained, the other stained and badly broken, are mounted on slide No. 4, along with the stained wing of a male. Slide No. 3 contains only the male terminalia. Slide No. 1 contains one larva (possibly one of the four paratypes), and a pupal exuvia (probably belong to holotype ♀ or paratype ♂).

**_Forcipomyia_ (_Neoforcipomyia_) _crinita_** Saunders, 1964, Can. J. Zool. 42: 474. CANADA.

Holotype larva (slide): Emma Lk., Sask., 19.IV.57, Saunders. Forcipomyia (Neoforcipomyia) crinita, all stages, CNC # 7107/Type larva/Paratype Forcipomyia (Neoforcipomyia) crinita Saunders, CNC No. 7107.

Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Saskatchewan.

Remarks: The holotype and 3 paratypes are mounted on the same slide.

*Forcipomyia* (*Neoforcipomyia*) *trinidadensis* Saunders, 1964, Can. J. Zool. 42: 476. TRINIDAD.

Holotype ♀ (slide, with pupal exuviae): TYPE ♀,/CNC # 7108 Forcipomyia (Neoforcipomyia) trinidadensis ♀ and pupal exuviae, St. Augustine, Trinidad, W.I. 3.VII.57, Saunders.

Remarks: The date in the original description is June 28 1957, while the date on the slide label is 3.VII.57.

*Forcipomyia* (*Proforcipomyia*) *bromeliae* Saunders, 1956, Can. J. Zool. 34: 665. BRAZIL.

Holotype ♂ (slide): Rio, Brazil, 23.VIII.23, L.G. Saunders, F. (Proforcipomyia) bromeliae, ♀ head, ant., wing, ♂ genitalia, larva, pupa/Type CNC No. 6496/Paratype Forcipomyia (Proforcipomyia) bromeliae Saunders, CNC No. 6496.

Paratypes: 1 larva (slide), 1 pupal exuviae (slide), Brazil.

Remarks: Only the terminalia of the holotype is present on the type slide; the remainder of the holotype is not present in the CNC at this time. The holotype terminalia and 2 paratypes are mounted on the same slide.

*Forcipomyia* (*Proforcipomyia*) *falcifera* Saunders, 1959, Can. J. Zool. 37: 39. TRINIDAD, BRITISH WEST INDIES.

Holotype larva (slide): Las Hermanas, nr. San Raphael, Trinidad, B.W.I., 7.VIII.57. Forcipomyia (Proforcipomyia) falcifera larva (holotype), pupal exuviae ♂, ♀/Holotype Forcipomyia (Proforcipomyia) falcifera Saunders, Can. Nat. Coll. Type No. 6727, Slide No./Paratype Forcipomyia (Proforcipomyia) falcifera Saunders, CNC No. 6727.

Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Trinidad.

Remarks: The type specimens are mounted on the same slide.

*Forcipomyia* (*Proforcipomyia*) *longispina* Saunders, 1956, Can. J. Zool. 34: 669. Brazil.

Holotype ♀ (slide): Rio de Janeiro, Brazil, 15.VII.23, L.G. Saunders. Forcipomyia (Proforcipomyia) longispina Saund., ♀, larva, pupal exuvia/Type CNC No. 6497/Paratype Forcipomyia (Proforcipomyia) longispina Saunders, CNC No. 6497.

Paratypes: 2 larvae (slide), 1 pupal exuviae (slide), Brazil.

Remarks: The holotype, pupal exuviae and larvae are mounted on the same slide.

*Forcipomyia* (*Proforcipomyia*) *mortuifolii* Saunders, 1959, Can. J. Zool. 37: 35. TRINIDAD, BRITISH WEST INDIES.

Holotype ♂ (slide): St. Augustine, Trinidad, B.W.I., 10.VIII.57, Forcipomyia (Proforcipomyia) mortuifolii ♂ (holotype) ♀ pupal exuviae, larva/Holotype Forcipomyia (Proforcipomyia) mortuifolii Saunders, Can. Nat. Coll. Type No. 6729, slide No./ Paratype Forcipomyia (Proforcipomyia) mortuifolii Saunders, CNC No. 6729.

Paratypes: 1♀ (slide), 1 larva (slide), 1 pupal exuviae (slide), Trinidad.

Remarks: The holotype and 3 paratypes are mounted on the same slide.

*Forcipomyia* (*Proforcipomyia*) *setigera* Saunders, 1959, Can. J. Zool. 37: 38. TRINIDAD, BRITISH WEST INDIES.

Holotype larva (slide): Maracas Valley, Trinidad, B.W.I., 18.VII.57. Forcipomyia (Proforcipomyia) setigera Larva (holotype), pupal exuviae, ♂, ♀/Holotype Forcipomyia (Proforcipomyia) setigera Saunders, Can. Nat. Coll. Type No. 6726, Slide No./Paratype Forcipomyia (Proforcipomyia) setigera Saunders, CNC No. 6726.

Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Trinidad.

Remarks: The holotype and 3 paratypes are mounted on the same slide.

*Forcipomyia* (*Proforcipomyia*) *spatulifera* Saunders, 1956, Can. J. Zool. 34: 667. BRAZIL.

Holotype ♀ (slide): Santos, Brazil, 14.VII.23, L.G. Saunders Forcipomyia (Proforcipomyia) spatulifera Saund., ♀, larva, pupal exuviae/ Type CNC No. 6498/Paratype Forcipomyia (Proforcipomyia) spatulifera Saunders, CNC No. 6498.

Paratypes: 1 larva (slide), 1 larval exuviae (slide), 1 pupal exuviae (slide), Brazil.

Remarks: The holotype and 3 paratypes are mounted on the same slide.

*Forcipomyia* (*Proforcipomyia*) *wirthi* Saunders, 1956, Can. J. Zool. 34: 663. USA.

Holotype ♀ (slide): San José, Calif., 22.II.1948, W.W. Wirth (locality label affixed by B.E. Cooper), Forcipomyia (Proforcipomyia) wirthi Saunders, ♂, ♀, pupal exuv. larvae (2), Type slide, Dept. Biology Univ. of Saskatchewan/ Type CNC No. 6495/Paratype Forcipomyia (Proforcipomyia) wirthi Saunders, CNC No. 6495.

Paratypes: 1♂ (slide), 2 larvae (slide), 1 pupal exuviae (slide), California.

Remarks: The holotype and 4 paratypes are mounted on the same slide. Since no locality label was present on the type slide, B.E. Cooper affixed one with the type data from original description.

*Forcipomyia* (*Rhynchoforcipomyia*) *dorsalis* Wirth & Dow, 1972, Ann. ent. Soc. Am. 65(4): 870. MEXICO.

Holotype ♀ (slide): MEXICO, Sinaloa Concordia, 22 mi. e. 4 Aug. 1964 - 3000 ft., W.R. Mason malaise trap/Holotype ♀ Forcipomyia (Rhynchoforcipomyia) dorsalis Wirth & Dow CNC No. 17520.

Paratypes: 3♀♀ (slides), Mexico, CNC No. 17520.

Remarks: The allotype according to the original description is to be deposited in the CNC; however, it is not present at the CNC.

*Forcipomyia* (*Rhynchoforcipomyia*) *messersmithi* Wirth & Dow, 1972, Ann. ent. Soc. Am. 65(4): 864. EL SALVADOR.

Paratypes: 4♀♀ (slides), El Salvador, CNC No. 17519.

***Forcipomyia* (*Saliohelea*) *leei*** Wirth & Ratanaworabhan, 1978, Proc. ent. Soc. Wash. 80(4): 498. COLOMBIA.
Paratypes: 1♂, 1♀ (slides), Colombia, CNC No. 17440.

***Forcipomyia* (*Thyridomyia*) *aspinosa*** Saunders, 1956, Can. J. Zool. 34: 692. CANADA.
Holotype ♀ (slide): Saskatoon, Sask., 20.X.55, L.G. Saunders, Forcipomyia (Thyridomyia) aspinosa Saund., all stages/Type CNC No. 6507/Paratype Forcipomyia (Thyridomyia) aspinosa Saunders, CNC No. 6507.
Paratypes: 1♂ (slide), 1 pupal exuviae (slide), 1 larva (slide), Saskatchewan.
Remarks: The holotype and 3 paratypes are mounted on the same slide.

***Forcipomyia* (*Thyridomyia*) *nodosa*** Saunders, 1959, Can. J. Zool. 37: 43. COSTA RICA.
Holotype larva (slide): Finca Theobroma, nr. Siquirres, Costa Rica, 15.VI.56. Forcipomyia (Thyridomyia) nodosa, larva (holotype) pupal exuviae ♀♂/Holotype Forcipomyia (Thyridomyia) nodosa Saunders, Can. Nat. Coll. Type No. 6728, slide No/Paratype Forcipomyia (Thyridomyia) nodosa Saunders, CNC No. 6728.
Paratypes: 1♂, 1♀ (slide), 1 pupal exuviae (slide), Costa Rica.
Remarks: The type specimens are mounted on the same slide.

***Forcipomyia* (*Trichohelea*) *antiguensis*** Saunders, 1956, Can. J. Zool. 34: 700. ANTIGUA, BRITISH WEST INDIES.
Holotype ♀ (slide): Falmouth Harbour, Antigua, B.W.I., 6.V.53, L.G. Saunders. Forcipomyia (Trichohelea) antiguensis Saund., all stages/ Type CNC No. 6510/Paratype Forcipomyia (Trichohelea) antiguensis Saunders, CNC No. 6510.
Paratypes: 1♂ (slide), 1 pupal exuviae (slide), 2 larvae (slide), Antigua.
Remarks: The holotype and 4 paratypes are mounted on the same slide.

***Forcipomyia* (*Trichohelea*) *caribbeana*** Saunders, 1956, Can. J. Zool. 34: 696. TRINIDAD, BRITISH WEST INDIES.
Holotype ♀ (slide): Trinidad, B.W.I., 12.V.53, L.G. Saunders. Forcipomyia (Trichohelea) caribbeana Saund., all stages/Type CNC No. 6508/Paratype Forcipomyia (Trichohelea) caribbeana Saunders, CNC No. 6508.
Paratypes: 1♂ (slide), 1 pupal exuviae (slide), 1 larva (slide), Trinidad.
Remarks: The holotype and 3 paratypes are mounted on the same slide.

***Forcipomyia* (*Trichohelea*) *jocosa*** Saunders, 1956, Can. J. Zool. 34: 701. TRINIDAD, BRITISH WEST INDIES.
Holotype ♀ (slide): Mt. St. Benedict, Trinidad, B.W.I. 13.V.53, L.G. Saunders. Forcipomyia (Trichohelea) jocosa Saund., all stages/Type CNC No. 6511/Paratype Forcipomyia (Trichohelea) jocosa Saunders, CNC No. 6511.
Paratypes: 1♂ (slide), 1 pupal exuviae (slide), 2 larvae (slide),Trinidad.
Remarks: The holotype and 4 paratypes are mounted on the same slide.

***Forcipomyia* (*Trichohelea*) *oligarthra*** Saunders, 1956, Can. J. Zool. 34: 698. PUERTO RICO.
Holotype ♀ (slide): Corcega Beach, P.R., ex. pineapple, 22.II.53, L.G. Saunders. Forcipomyia (Trichohelea) oligarthra Saund., all stages/Type CNC No. 6509/Paratype Forcipomyia (Trichohelea) oligarthra Saunders, CNC No. 6509.
Paratypes: 1♂ (slide), 1 pupal exuviae (slide), 1 larva (slide), Puerto Rico.
Remarks: The holotype and 3 paratypes are mounted on the same slide.

***Forcipomyia* (*Warmkea*) *aeria*** Saunders, 1956, Can. J. Zool. 34: 675. PUERTO RICO.
Holotype ♀ (slide): Mayaguez, P.R., 18.III.53, L.G. Saunders. Forcipomyia (Warmkea) aeria Saund., ♀♂, larva, pupal exuviae/Type CNC No. 6500/Paratype Forcipomyia (Warmkea) aeria Saunders, CNC No. 6500.
Paratypes: 1♂ (slide), 1 larva (slide), 1 pupal exuviae (slide), Puerto Rico.
Remarks: The type specimens are mounted on the same slide.

***Forcipomyia* (*Warmkea*) *bicolor*** Saunders, 1956, Can. J. Zool. 34: 672. PUERTO RICO.
Holotype ♀ (slide): Mayaguez, P.R., 3.II.53, L.G. Saunders. Forcipomyia (Warmkea) bicolor, ♀,♂, larva, pupal exuvia/Type CNC No. 6499/Paratype Forcipomyia (Warmkea) bicolor Saunders, CNC No. 6499.
Paratypes: 1♂ (slide), 1 larva (slide), 1 pupal exuviae (slide), Puerto Rico.
Remarks: The holotype and 3 paratypes are mounted on the same slide.

***Forcipomyia* (*Warmkea*) *malayae*** Saunders, 1956, Can. J. Zool. 34: 678. MALAYSIA.
Holotype ♀ (slide): Cameron's Highlands, Malaya, 29.I.34, on banana, L.G.S. Holotype Forcipomyia (Warmkea) malayae ♀ (fragmentary), pupal exuviae ♀,♂/Type CNC No. 6503/Paratype Forcipomyia (Warmkea) malayae Saunders, CNC No. 6503.
Paratypes: 2 pupal exuviae (slide), Malaysia.
Remarks: The type specimens are mounted on the same slide.

***Forcipomyia* (*Warmkea*) *spinosa*** Saunders, 1956, Can. J. Zool. 34: 676. PUERTO RICO.
Holotype ♀ (slide): Mayaquez, 3.II.53, L.G. Saunders, Forcipomyia (Warmkea) spinosa Saund., ♀,♂, larva, pupal exuviae/Type CNC No. 6501/Paratype Forcipomyia (Warmkea) spinosa Saunders, CNC No. 6501.
Paratypes: 1♂, 1♀ (slide), 1 larva (slide), 1 pupal exuviae (slide), Puerto Rico.
Remarks: The holotype and 4 paratypes are mounted on the same slide.

***Forcipomyia* (*Warmkea*) *terrestris*** Saunders, 1964, Can. J. Zool. 42: 479. TRINIDAD, BRITISH WEST INDIES.
Holotype pupal exuvia (slide): St. Augustine, Trinidad, W.I., 9.VII.57, L.G. Saunders. Forcipomyia (Warmkea) terrestris, all stages, CNC # 7109/Type pupa/Paratype Forcipomyia (Warmkea) terrestris Saunders, CNC No. 7109.
Paratypes: 1♂, 1♀ (slide), 1 larva (slide), Trinidad.
Remarks: The holotype and 3 paratypes are mounted on the same slide. On the slide

labeled as type, Saunders gives a locality of St. Augustine, Trinidad, W.I., but the original description cites locality as Las Hermanas plantation near St. Rafael, Trinidad, W.I. Saunders cites the holotype as a pupa; however, it is a pupal exuviae that is mounted on the slide labeled as type.

*Forcipomyia* (*Warmkea*) *tuberculata* Saunders, 1956, Can. J. Zool. 34: 677. TRINIDAD, BRITISH WEST INDIES.
Holotype ♀ (slide): Trinidad, B.W.I., 8.V.53, L.G. Saunders. Forcipomyia (Warmkea) tuberculata Saund., ♀,♂, larva, pupal exuviae/Type CNC No. 6502/Paratype Forcipomyia (Warmkea) tuberculata Saunders, CNC No. 6502.
Paratypes; 1♂ (slide), 1 larva (slide), 1 pupal exuviae (slide), Trinidad.
Remarks: The type specimens are mounted on the same slide.

*Isoecacta poeyi* Garrett, 1925, Seventy new Diptera, p. 9. CANADA.
Syntypes: 2 ♀♀, CNC No. 7928.
"1 ♀"; Cranbrook, 24.VIII. B.C./Holotype Isoecacta poeyi ♀ C. Garrett, C.B.D. Garrett/SYNTYPE Isoecacta poeyi Garrett, CNC No. 7928.
"1 ♀"; Cranbrook, 24.VI.B.C./4240/wing 5605/Paratype Isoecacta poeyi ♀, C. Garrett C.B.D. Garrett/SYNTYPE Isoecacta poeyi Garrett, CNC No. 7928.
"♀" wing, (slide), Isoecacta poeyi ♀, C. Garrett, Can. B.C. Cranbrook, 24.VI. = Alluaudomyia bella Coq./PARATYPE/Wing ♀, note R4 and R5 split at tip, CNC No. 7928, 5656 0505.
Remarks: Since no holotype was indicated in the original description, the 2 female specimens are syntypes. However, Garrett labeled one of the specimens as the holotype.

*Jenkinshelea blantoni* Grogan & Wirth, 1977, Proc. ent. Soc. Wash. 79(1): 139. USA.
Paratypes: 3♂♂, 2♀♀ (slides), Florida, CNC No. 17470.
Remarks: One paratype has a date of Sept 1971, another a date of June 1971.

*Jenkinshelea stonei* Grogan & Wirth, 1977, Proc. ent. Soc. Wash. 79(1): 135. USA.
Paratypes: 1♂, 1♀ (slides), Florida, CNC No. 17471.

*Johannseniella flavidula* Malloch, 1914, Bull. Ill. St. Lab. nat. Hist (1915) 10(4): 230. USA.
Paralectotypes: 1♂, 1♀, Illinois, CNC No. 2705.
Remarks: For lectotype designation see Frison (1927, p. 172). One paralectotype above, in addition to 2 paratype labels only has a label with the number 13268 for a locality label.

*Johannsenomyia albibasis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. (1918) 11(4): 315. USA.
Paralectotypes: 1♂, 1♀, Illinois, CNC No. 2706.
Remarks: For lectotype designation see Frison (1927, p. 172).

*Johannsenomyia lanei* Wirth, 1965, Proc. ent. Soc. Wash. 67(1): 4. BRAZIL.
Holotype ♀: Nova Teutonia, 27°11'S, 52°23'W, Brazil, 300-500 m X.1962, Fritz Plaumann/Holotype Johannsenomyia lanei Wirth CNC No. 8773/Holotype ♀ Johannsenomyia lanei Wirth.

*Johannsenomyia sybleae* Wirth, 1952, Univ. Calif. Publs. Ent. 9(2): 212. USA.
Paratype: 1♂ (slide), California, CNC No. 19554.
Remarks: The original description lists the paratypes from Quaking Aspen Meadow, Tulare Co., Calif., as all females. But the above specimen, labeled as a paratype from the same locality, is in fact a male.

*Leptoconops* (*Brachyconops*) *californiensis* Wirth & Atchley, 1973, Grad. Stud. Texas Tech. Univ. 5: 16. USA.
Paratypes: 2♀♀ (slides), California, CNC No. 17408.

*Leptoconops* (*Holoconops*) *arnaudi* Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 29. USA.
Paratypes: 1♂, 1♀ (slides), California, CNC No. 17302.

*Leptoconops* (*Holoconops*) *asilomar* Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 22. USA.
Paratypes: 1♂, 1♀ (slides), California, CNC No. 17402.

*Leptoconops* (*Holoconops*) *atchleyi* Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 32. USA.
Paratype: 1♂ (slide), California, CNC No. 17304.

*Leptoconops* (*Holoconops*) *belkini* Wirth & Atchley, 1973, Grad. Stud. Texas Tech. Univ. 5: 37. USA.
Paratypes: 1♂, 1♀ (slides), California, CNC No. 17404.

*Leptoconops* (*Holoconops*) *foulki* Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 38. USA.
Paratypes: 1♂, 2♀♀ (slides), California, CNC No. 17303.

*Leptoconops* (*Holoconops*) *knowltoni* Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 26. USA.
Paratype: 1♂, 1♀ (slides), California, CNC No. 17300.

*Leptoconops* (*Holoconops*) *linleyi* Wirth & Atchley, 1973, Grad. Stud. Texas Tech. Univ. 5: 49. USA.
Paratypes: 1♂ (slide), Florida, CNC No. 17403.
Remarks: There are 2 additional specimens on slides labeled as paratypes, but they are from a locality not mentioned in the original description.

*Leptoconops* (*Holoconops*) *reesi* Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 42. USA.
Paratypes: 2♀♀ (slides), Utah, CNC No. 17405.

*Leptoconops* (*Holoconops*) *whitseli* Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 20. USA.
Paratypes: 5♀♀ (slides), California, CNC No. 17301.

*Leptoconops* (*Leptoconops*) *carteri* Hoffman, 1926, Bull. ent. Res. 17: 133. USA.
Paralectotype: 1♀ (slide), California, CNC No. 17406.
Remarks: For lectotype designation see Wirth & Atchley (1973, p. 22).

*Leptoconops* (*Leptoconops*) *werneri* Wirth & Atchley, 1973, Grad. Stud. Texas Tech. Univ. 5: 34. USA.
Paratypes: 2♀♀ (slides), Arizona; 2♂♂ (slides), Mexico, (Baja California), CNC No. 17407.

*Mallochohelea albihalter* Wirth, 1962, Ann. ent. Soc. Am. 55(3): 280. USA.
Paratypes: 2♀♀ Quebec (Canada); 4♀♀, 1♀ (slide), Ontario (Canada), CNC No. 17472.
Remarks: There are 6 additional specimens labeled as paratypes but these were not mentioned in the original description.

*Mallochohelea atripes* Wirth, 1962, Ann. ent. Soc. Am. 55(3): 281. USA.
Paratypes: 2♀♀ (slides), Maryland; 32♀♀ Ontario (Canada), CNC No. 17473.
Remarks: Three female pinned paratypes from Grand Bend, Ontario, have a date of 13.VII.1939.

*Mallochohelea variegata* Wirth, 1962, Ann. ent. Am. 55(3): 283. USA.
Paratype: 1♀ Ontario (Canada), CNC No. 17516.

*Monohelea jamnbacki* Wirth & Williams, 1964, Ann. ent. Soc. Am. 57(3): 308. USA.
Paratypes: 1♂ (slide), Quebec (Canada), CNC No. 17450.

*Monohelea magnitheca* Wirth & Grogan, 1981, Bull. biol. Soc. Wash. 5: 42. USA.
Paratype: 1♀ (slide), Maryland, CNC No. 19553.

*Neobezzia blantoni* Wirth & Ratanaworabhan, 1972, J. Kans. ent. Soc. 45(4): 482. PANAMA.
Paratypes: 4♀♀ (slides), Brazil, CNC No. 17448.

*Neobezzia costaricae* Wirth & Ratanaworahban, 1972, J. Kans. ent. Soc. 45(4): 486. COSTA RICA.
Paratype: 1♀ (slide), Panama, CNC No. 19555.

*Nilobezzia mallochi* Wirth, 1962, Ann. ent. Soc. Am. 55(3): 284. USA.
Paratypes: 1♀ (pinned), 1♀ (slide), Ontario (Canada); 1♀ (pinned), Saskatchewan (Canada), CNC No. 17474.

*Palpomyia canadensis* Grogan & Wirth, 1979, Mem. ent. Soc. Wash. 8: 109. USA.
Paratypes: 1♂, 1♀ (slides), Maine; 1♀ (slide), Alaska; 1♀ (slide), British Columbia (Canada), CNC No. 17443.
Remarks: One paratype from Maine has a date of 1.VII.68, a date not mentioned in the original description.

*Palpomyia downesi* Grogan & Wirth, 1979, Mem. ent. Soc. Wash. 8: 112. CANADA.
Holotype ♀ (slide): Churchill, Man., 7 Aug. 1953, J.A. Downes 87/1/4/Holotype Palpomyia downesi Grogan & Wirth, CNC No. 17441/ Palpomyia n. sp. near flaviceps dark, Det. W. Grogan downesi G. & W./Date, Coll. No. Can. Nat. Collection.
Allotype ♂ (slide): Same data as holotype except 11 July 1951, 13/4/14. One additional label reads, same as Brooks flavipes grp.
Paratypes: 1♀ (slide), Manitoba; 2♂♂, 1♀ (slide), Alberta; 3♀♀ (slide), Northwest Territories.
Remarks: The date on the slide of the allotype is 11 July 1951.

*Palpomyia kernensis* Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 223. USA.
Paratype: 1♀ (slide), California, CNC No. 19556.

*Palpomyia plebeiella* Grogan & Wirth, 1975, Univ. Md Agric. Exp. Sta. Misc. Publ. 875: 20. USA.
Paratype: 1♀ (slide), Quebec (Canada), CNC No. 17442.

*Palpomyia walteri* Grogan & Wirth, 1979, Mem. ent. Soc. Wash. 8: 62. USA.
Paratypes: 1♀ (pinned), New Hampshire; 2♀♀ (pinned), 6♂♂, 6♀♀ (slides), New Brunswick (Canada); 10♀♀ (pinned), 1♂, 1♀ (slides), Ontario (Canada); 6♀♀ (pinned), Quebec (Canada); 4♀♀ (pinned), 1♂, 4♀♀ (slides), Manitoba (Canada); 1♀ (pinned), Labrador (Canada), CNC No. 17444.
Remarks: There are 6 additional specimens labeled as paratypes but these were inadvertently omitted as paratypes in the original description. One ♀ paratype from New Brunswick has a date of 14.VII.1965, a date not published in original description. Two paratypes from Mer Bleu, Ontario, have dates of 15.VI.1966 and 23.VI.1966.

*Parabezzia costalis* Wirth, 1965, Proc. ent. Soc. Wash. 67(4): 221. PANAMA.
Paratype: 1♀ (slide), Canal Zone, CNC No. 19557.

*Parabezzia downesi* Wirth, 1965, Proc. ent. Soc. Wash. 67(4): 222. CANADA.
Paratypes: 3♂♂, 3♀♀ (associated pupal exuviae) (slides), Ontario, CNC No. 17468.

*Parabezzia texensis* Grogan & Wirth, 1977, J. Kans. ent. Soc. 50(1): 60. USA.
Paratype: 1♀ (slide), Texas, CNC No. 19558.

*Parabezzia williamsi* Wirth, 1965, Proc. ent. Soc. Wash. 67(4): 229. USA.
Paratypes: 2♂♂, 2♀♀ (slides), Michigan, CNC No. 17467.

*Paradasyhelea albipunctata* Wirth & Lee, 1959, Bull. Brooklyn ent. Soc. 54(4): 116. AUSTRALIA.
Paratype: 1♀ (slide), Australia, CNC No. 19559.

*Paradasyhelea harrisoni* Wirth, 1981, N. Z. Jl. Zool. 8: 384. NEW ZEALAND.
Paratype: 1♀ (slide), New Zealand (Auckland Is.), CNC No. 19560.

*Paradasyhelea minuta* Wirth & Lee, 1959, Bull. Brooklyn ent. Soc. 54(4): 118. AUSTRALIA.
Paratype: 1♀ (slide), Australia, CNC No. 19561.

*Paradasyhelea olympiae* Wirth & Blanton, 1969, Pan-Pacif. Ent. 45(2): 98. USA.
Paratypes: 4♂♂, 1♀ (slides), Washington, CNC No. 17409.

*Phaenobezzia astyla* Spinelli & Wirth, 1986, Fla Ent. 69(1): 232. COLOMBIA.
Paratypes: 4♀♀ (slides), Colombia, CNC No. 19638.

*Phaenobezzia maya* Spinelli & Wirth, 1986, Fla Ent. 69(1): 234. BELIZE.
Paratypes: 1♂, 3♀♀ (slides), British Honduras; 1♀ (slide), Mexico; 1♀ (slide), El Salvador, CNC No. 19705.

*Phaenobezzia sabroskyi* Wirth & Grogan, 1982, Mem. ent. Soc. Wash. 10: 189. USA.
Paratypes: 2♀♀ (slides), Florida, CNC No. 19861.

*Probezzia albitibia* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 732. USA.
Paratypes: 8♀♀ Quebec (Canada); 2♀♀ Ontario (Canada); CNC No. 17483.
Remarks: Two females labeled as paratypes from Wakefield, Quebec, were collected on 9.VII.1946. Two paratypes from Marmora, Ontario, are incorrectly listed under Quebec in the original description.

*Probezzia bottimeri* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 734. USA.
Paratype: 1♀ (slide), Texas, CNC No. 19562.

*Probezzia fulvithorax* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 354. USA.
Paralectotype: 1♀, Michigan, CNC No. 2707.
Remarks: For lectotype designation see Frison (1927, p. 175).

*Probezzia fuscipennis* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 735. USA.
Paratype: 1♀ Quebec (Canada); 1♀ (with pupal exuviae) (slide), New York, CNC No. 17515.

*Probezzia infuscata* Malloch, 1915, Bull. Ill. St. Lab. Nat. Hist. (1918) 11(4): 316. USA.
Paralectotype: 1♂, Illinois, CNC No. 2708.
Remarks: For lectotype designation see Frison (1927, p. 176).

*Probezzia jamnbacki* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 735. USA.
Paratype: 1♂, 1♀ (slide), Ontario (Canada), CNC No. 17514.

*Probezzia nigra* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 736. USA.
Paratype: 1♀ (slide), Louisiana, CNC No. 19563.
Remarks: There are 2 ♀♀ labeled as paratypes by Wirth: (1) Ft. Ogden, Fla. 9.IV.1952, J.R. Vockeroth; (2) Torreya St. Park, Fla., 28.VI.1952, O. Peck; but they are listed under other material examined in the original description, and were not included as paratypes.

*Probezzia pallida* Malloch, 1914, Proc. biol. Soc. Wash. 27: 138. USA.
Remarks: One specimen (♂, White Heath, Ill., 16 May 1915) bears two type labels: (1) Allotype Probezzia pallida Malloch ♂, and (2) Paratype Probezzia pallida Mal. ♂ CNC No. 2709. Its designation as such is based on the remarks of Frison (1927, p. 176). Clearly the specimen was not before Malloch when he described the species; therefore, it has no type status.

*Probezzia rosewalli* Wirth, 1951, Proc. ent. Soc. Wash. 53(1): 32. USA.
Paratype: 1♀ (with pupal exuviae) (slide), Louisiana, CNC No. 19564.

*Probezzia williamsi* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 737. USA.
Paratypes: 2♀♀ Ontario (Canada), CNC No. 17482.
Remarks: There is 1 additional specimen from Missisquoi Bay, Quebec, Canada, labeled as a paratype, but this locality was not mentioned in the original description.

*Sphaeromias brevicornis* Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 215. USA.
Paratype: 1♀ (slide), California, CNC No. 19565.

## CHAOBORIDAE

*Chaoborus (Chaoborus) borealis* Cook, 1956, Bull. Minn. agric. Exp. Sta. 218: 25. CANADA.
Holotype ♂ (slide): Whitehorse, Y.T. 18/V/1949, L.C. Curtis. Holotype Chaoborus borealis Cook, Date '51. CNC No. 6026.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 2♂♂, 1♀ (slides), 3♀♀, Manitoba; 1♂, Yukon Territory; 2♂♂, 1♀, Northwest Territories.
Remarks: One paratype has the abdomen stored in a glass microvial, pinned with specimen.

*Chaoborus (Schadonophasma) brunskilli* Saether, 1970, Bull. Fish. Res. Bd Can. 174: 21. CANADA.
Holotype ♂ (slide): E.L.A. Kenora, L. 241, 13.VI.68, Emg. 14.VI.68, leg: G. Brunskill. Holotype p. 92 Chaoborus brunskilli O.A. Saether. Can. Nat. Coll. Type No. 10958. Slide No. N27.
Paratypes: 19 larvae (slides), Ontario; 4 larvae (slides), Alberta.

*Chaoborus (Schadonophasma) cooki*, Saether, 1970, Bull. Fish. Res. Bd Can. 174: 18. CANADA.
Holotype ♂ (slide with associated exuviae): Yellowknife, N.W.T., 17.VII.1949, Leg. R.A. Hall. Holotype Chaoborus cooki O.A. Saether, Can. Nat. Coll. Type No. 10959. Slide No. 1.
Allotype ♀ (slide): Gt. Whale R., P.Q., 29.VIII.1949, leg. J.R. Vockeroth. Allotype Chaoborus cooki O.A. Saether, Can. Nat. Coll. Type No. 10959. Slide No. 3.
Paratypes: 1♂, 1♀ (slide), Ontario; 1 larva (slide), Manitoba; 1♂ (slide), Northwest Territories.
Remarks: The description lists 2 males from Gillam, Manitoba; however, there is a slide containing a larva labeled paratype by Saether. Since it was labeled by Saether it is believed he had it before him at the time of the description.

## CHIRONOMIDAE

*Ablabesmyia rhamphe* Sublette, 1964, Tulane Stud. Zool. 11(4): 114. USA.
Paratypes: 2 sex? (slides), Louisiana, CNC No. 10947.
Remarks: The mounting media of both slides has dried up; it is impossible to determine what sex the specimen is on each slide.

*Ablabesmyia (Ablabesmyia) tarella* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 368. USA.
Holotype ♂ (pinned): Tucker, Fla., 15.IV.1952, J.R. Vockeroth/yellow label/TYPE Holotype Ablabesmyia (A.) tarella Roback/CNC No. 10602, HOLOTYPE.
Paratype: 1♂, Florida.
Remarks: Thorax, head and right wing of paratype are pinned; remainder is mounted on 3 slides.

*Acamptocladius reissi* Cranston & Saether, 1982, Ent. scand. 13(1): 39. WEST GERMANY.
Paratypes: 6 pupal exuviae (slide), 6 larvae (slide), West Germany, CNC No. 16497.

*Adactylocladius rowensis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 58. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. A. 3-1, Loc: Waterton Nat. Pk. Alta., Hwy. to Cameron L., 21.VII.67, Coll. A.L. Hamilton, Det: O.A.S.; Can. Nat. Coll. Type No. 9980, Adactylocaladius rowensis O.A. Saether.
Paratypes: 2♂♂ (slides), Alberta.

*Adactylocladius unicalcar* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 59. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. A 3.1 (Alta), Waterton Nat. Pk., Rowe Creek by Hwy., 21.VII.67, Coll. O.A.S. - A.L.H., Det. O.A.S., Can. Nat. Coll. Type No. 9981, Adactylocladius unicalcar O.A. Saether.

*Adiamesa confusa* Garrett, 1925, Seventy new Diptera, p. 5. CANADA.
Holotype ♂ (pinned): Cranbrook, B.C., 20.VI./T370/5045 Hypo, ant/Hypo, ant 5045/Holotype Adiamesia [sic] confusa ♂ C. Garrett, C.B.D. Garrett/CNC No. 7914.
Remarks: The antennae and terminalia of the holotype are mounted on microscope slide No. 5045.

*Antillocladius antecalvus* Saether, 1981, Ent. scand. Suppl. 16: 4. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 2♂♂ (slides), St. Vincent, CNC No. 16757.

*Arctopelopia* (*Arctopelopia*) *cana* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 253. CANADA.
Holotype ♂ (slides): Spence Bay, 22-29.VII.51, Chilcott, CNC/Arctopelopia cana Roback/434 HOLOTYPE Arctopelopia (A.) cana Roback, det. S.S. Roback/Can. Nat. Coll. Type No. 10603.
Remarks: The holotype is mounted on two separate slides: No. 434 contains wings, 3 legs, antennae and abdomen; No. 434B contains the head, thorax and 3 legs.

*Baeoctenus bicolor* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 43. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. 48k, L. Winnipeg (L.T.) 48k, Gull Harbour, Manitoba, Leg. S.S. Chang, 16-VII-69, Can. Nat. Coll. Type No. 13476 Baeoctenus bicolor O.A. Saether.
Allotype ♀ (slide): Same data as holotype except slide No. 45.

*Boreochlus gracilistylus* Brundin, 1966, K. svenska Vetensk Akad. Handl. (4) 11(1): 304. CANADA.
Holotype ♂ (pinned): Elkwater, Alta., 49°42' 110°16', 2.VI.1955, J.R. Vockeroth/ Boreochlus gracilistylus ♂ Brund. Holotype/CNC No. 11609, HOLOTYPE.
Paratype: 1♀ (pinned), Alberta.
Remarks: The abdomen is missing from the holotype.

*Brillia laculata* Oliver & Roussel, 1983, Can. Ent. 115: 268. USA.
Holotype ♂ (slide): HOLOTYPE Slide No. Eagle Cr., 3 mi. S.W. Cascade Locks, Oreg., 25.VI.81, A. Borkent, Can. Nat. Coll. Type No. 16498, Brillia laculata Oliver & Roussel.
Allotype ♀ (slide): Same data as holotype.
Paratype: 1♂ (alcohol), Oregon.

*Brillia retifinis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 37. CANADA.
Holotype ♂ (slide, with pupal and larval exuviae): HOLOTYPE Slide No. reared, Stream, Marion L., B.C., 15.VII.67, Leg. O.A.S. & A.L.H. Det. O.A. Saether, Can. Nat. Coll. Type No. 9976, Brillia retifinis O.A. Saether.
Paratype: 1♂ (slide), Alberta.

*Bryophaenocladius digitatus* Saether, 1973, Can. Ent. 105: 55. USA.
Holotype ♂ (slides): HOLOTYPE, Slide No. 3, Missouri River, Clay County Park, Vermillion, S. Dakota, USA., Date: 18.VI.1971, Leg: P. Hudson, Det. O.A. Saether, Can. Nat. Coll. Type No. 12755, Bryophaenocladius digitatus.
Remarks: The above holotype has been remounted on three separate microscope slides.

*Bryophaenocladius impectinus* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 273. USA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Jocassee Res., Salem, S.C., Elev. 1100 ft. 13-17.VI.73, Leg. P. Hudson, Can. Nat. Coll. Type No. 13492, Bryophaenocladius impectinus O.A. Saether/Bryophaenocladius impectinus sp.n. O.A. Saether, Holotype Can. Nat. Coll. 13492.

*Bryophaenocladius laticaudus* Saether, 1973, Can. Ent. 105: 55. USA.
Holotype ♂ (slide): HOLOTYPE, Slide No. 569-1289 ♂, Lake Francis Case, Platte Bay, Platte, S. Dakota, USA., Date: 11-19.V.67, Leg: Pat Hudson, Det. O.A. Saether, Can. Nat. Coll. Type No. 12754, Bryophaenocladius laticaudus/Holotype Bryophaenocladius sp.n. laticaudus Det. O.A.S.

*Camptocladius clavicornis* Saunders, 1928, Ann. ent. Soc. Am. 21(4): 528. CANADA.
Lectotype ♂: Camptocladius clavicornis Saunders, CNC Type No. 2853, Lectotype ♂, 1963, J.E. S[ublette]. (no locality label).
Paralectotype: 1♂, (slide) (no locality label), 2♂♂, (alcohol) 1 pupa, 1 pupal exuviae (alcohol), British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 319).

*Camptocladius lasiops* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 508. USA.
Paralectotype: 1♂, 1♀ (pinned), Illinois, CNC No. 2682.
Remarks: For lectotype designation see Frison (1927, p. 164). The terminalia of the above male paralectotype is mounted on microscope slide No. 565-1101.

*Camptocladius marinus* Saunders, 1928, Ann. ent. Soc. Am. 21(4): 526. CANADA.
Lectotype ♂ (slide): Camptocladius marinus Saunders, CNC Type No. 2854, Lectotype ♂, J.E.S.[ublette], 1963 (no locality label).
Paralectotype: 1 larva, 1 pupal exuviae (slide), 1 larva, 1 pupa (alcohol), British Columbia.

Remarks: For lectotype designation see Sublette (1967, p. 322).

***Camptocladius nerius*** Curran, 1930, Bull. Am. Mus. nat. Hist. (1931) 61(2): 34. USA.

Paratypes: 2♂♂ (slides), New York, CNC No. 4394.

Remarks: One of the above specimens was subsequently used by Sublette (1967, p. 315) as the holotype of ***Orthocladius*** (s.s.) ***currani***.

***Camptocladius pacificus*** Saunders, 1928, Ann. ent. Soc. Am. 21(4): 523. CANADA.

Lectotype ♂ (slide): Camptocladius pacificus Saunders, CNC Type No. 2852, Lectotype ♂, J.E.S.[ublette] 1963 (no locality label).

Paralectotypes: 1♀ (slide), 1 larva, 1 pupal exuviae (slide), 3♂♂ (alcohol), 1 larva, 1 pupal exuviae (alcohol), British Columbia.

Remarks: For lectotype designation see Sublette (1967, p. 324).

***Cardiocladius albiplumus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 34. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 0.7.1, Rushing stream M.19 Mando log road, Kenora, Ont., 22.VIII.67, Det. O.A.S. Leg. O.A.S. - A.L.H., Can. Nat. Coll. Type No. 9975 Cardiocladius albiplumus O.A. Saether.

***Chaetocladius oliveri*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 93. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. Q15-3, Gatineau Pk., Que, April 17/64, L.F. 643, 22.III.64, Leg. D.R.O., Can. Nat. Coll. Type No. 9991, Chaetocladius oliveri sp.n. O.A. Saether.

Allotype ♀ (slide): Same data as holotype, except Slide No. Q-15-2, 15.III.64 - 8.IV.64 L.F. 622.

Paratypes: 5♂♂, 2♀♀ (slides), Quebec; 5♂♂ (slides), Ontario.

***Chasmatonotus atripes*** Rempel, 1937, Can. Ent. 69: 253. USA.

Paratypes: 1♂ (slide), 2♂♂, 1♀ (pinned), New York, CNC No. 4266.

***Chasmatonotus bicolor*** Rempel, 1937, Can. Ent. 69: 254. USA.

Paratype: 1♂ (slides), New York, CNC No. 4267.

Remarks: The above paratype is mounted on two separate slides.

***Chasmatonotus bimaculatus*** Osten Sacken, 1877, Bull. U.S. geol. Surv. 3: 191. CANADA.

Syntype: 1♂ (pinned), CNC No. 2140. "♂"; Catskill, VII.14. O.S./PARATYPE Chasmatonotus bimaculatus O.S., CNC No. 2140/(Red label) Types 1260/Chasmatonotus bimaculatus.

***Chasmatonotus unilobus*** Yamamoto, 1980, Esakia 15: 82. JAPAN.

Paratypes: 1♂, 1♀ (pinned), Japan, CNC No. 17660.

***Chironomus abortivus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 465. USA.

Paralectotype: 1♀ (pinned), Illinois, CNC No. 2683.

Remarks: For lectotype designation see Frison (1927, p. 164).

***Chironomus athalassicus*** Cannings, 1975, Can. Ent. 107: 447. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No., Boitano L., Springhouse, B.C., 24.V.70, R.A. Cannings, Can. Nat. Coll. Type No. 13530, Chironomus athalassicus Cannings.

Paratypes: 2♂♂, 2♀♀ (slides), 1 pupal exuviae (slide), 3 larvae (slide), 3♂♂, 2♀♀ (alcohol), 7 larvae (alcohol), 3 pupal exuviae (alcohol), British Columbia.

***Chironomus basalis*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 441. USA.

Paralectotypes: 1♂, 1♀ (pinned), Illinois, CNC No. 2693.

Remarks: For lectotype designation see Frison (1927, p. 164).

***Chironomus cucini*** Webb, 1969, J. Kans. ent. Soc. 42(1): 105. CANADA.

Paratypes: 1♂, 1♀ (alcohol), Ontario, CNC No. 11937.

***Chironomus daktylos*** Walley, 1934, Bull. Am. Mus. nat. Hist. 66: 307. BRITISH GUIANA.

Paratype: 1♂ (slide), British Guiana, CNC No. 19629.

***Chironomus deflexa*** Walley, 1926, Can. Ent. 58: 206. CANADA.

Holotype ♂ (pinned): Ottawa, Ont., 18.VIII.1924, G.S. Walley/HOLOTYPE Chironomus deflexa Walley CNC No. 2202.

***Chironomus dimorphus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 464. USA.

Paralectotypes: 1♂, 1♀ (pinned), Illinois, CNC No. 2684.

Remarks: For lectotype designation see Frison (1927, p. 165).

***Chironomus farinalis*** Walley, 1926, Can. Ent. 58: 205. CANADA.

Holotype ♂ (pinned): L'Idge, [Lethbridge] Alta., Aug. 25 1913, E.H. Strickland/HOLOTYPE Chironomus farinalis Walley, CNC No. 2203.

Allotype ♀ (pinned): Same data as holotype except 12 June 1920.

Paratype: 1♂ (pinned), Alberta.

***Chironomus fasciventris*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 438. USA.

Paralectotypes: 1♂, 1♀ (pinned), Illinois, CNC No. 2692.

Remarks: For lectotype designation see Frison (1927, p. 165).

***Chironomus illinoensis*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 471. USA.

Paralectotypes: 1♂, 1♀ (pinned), Illinois, CNC No. 2694.

Remarks: For lectotype designation see Frison (1927, p. 166).

***Chironomus imperator*** Walley, 1926, Can. Ent. 58: 64. CANADA.

Holotype ♂ (pinned): Pt. Pelee, Ont., 17.VI.1925, G.S. Walley/HOLOTYPE Chironomus imperator Walley, CNC No. 1750.

Allotype ♀ (pinned): Same data as holotype.

Paratypes: 11♂♂, 10♀♀ (pinned), Ontario.

***Chironomus indistinctus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 477. USA.

Paralectotype: 1♂ (pinned), Illinois, CNC No. 2685.

Remarks: For lectotype designation see Frison (1927, p. 167).

*Chironomus innocuus* Williston, 1896, Trans. R. ent. Soc. Lond. 3: 274. ST. VINCENT, WEST INDIES.

Paralectotype: 1♂ (slide), St. Vincent, West Indies, CNC No. 19633.

Remarks: For lectotype designation see Borkent (1984, p. 59).

*Chironomus nigrovittatus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 456. USA.

Paralectotype: 1♀ (pinned), Illinois, CNC No. 2686.

Remarks: For lectotype designation see Frison (1927, p. 167).

*Chironomus ontario* Walley, 1926, Can. Ent. 58: 206. CANADA.

Holotype ♂ (pinned): Ottawa, Ont., 11.VIII.1924, G.S. Walley/HOLOTYPE Chironomus ontario Walley, CNC No. 2204.

Allotype ♀ (pinned): O. Golf Club, Que., 1.VIII.1924, G.S. Walley/ALLOTYPE Chironomus ontario Walley, CNC No. 2204.

Paratypes: 1♂, 4♀♀ (pinned), Quebec; 2♂♂ (pinned), Ontario.

*Chironomus parvilamellatus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 479. USA.

Paralectotype: 1♂ (pinned), Illinois, CNC No. 2690.

Remarks: For lectotype designation see Frison (1927, p. 168).

*Chironomus pseudoviridis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 450. USA.

Paralectotype: 1♂ (pinned), Illinois, CNC No. 2687.

Remarks: For lectotype designation see Frison (1927, p. 168).

*Chironomus subaequalis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 440. USA.

Paralectotype: 1♂ (pinned), Illinois, CNC No. 2688.

Remarks: For lectotype designation see Frison (1927, p. 169).

*Chironomus tenuicaudatus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 475. USA.

Paralectotype: 1♂ (pinned), Illinois, CNC No. 2689.

Remarks: For lectotype designation see Frison (1927, p. 169).

*Chironomus (Camptochironomus) vockerothi* Rasmussen, 1984, Can. Ent. 116: 1643. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. Elkwater, Alta., 49°42' 110°16', 4.VI.53, J.R. Vockeroth, Can. Nat. Coll. Type No. 18183, Chironomus (Camptochironomus) vockerothi Rasmussen.

Allotype ♀ (slide): ALLOTYPE, Slide No. Hastings L., Alta., 53°25' 112°33', 29.V.75, J.B. Rasmussen, Can. Nat. Coll. Type No. 18183, Chironomus (Camptochironomus) vockerothi Rasmussen

Paratypes: 21♂♂, 6♀♀, Alberta.

*Chironomus (Chironomus) natchitocheae* Sublette, 1964, Tulane Stud. Zool. 11(4): 124. USA.

Paratypes: 3♂♂, 1♀ (slides), Louisiana, CNC No. 10950.

*Chironomus (Cryptochironomus) ponderosus* Sublette, 1964, Tulane Stud. Zool. 11(4): 129. USA.

Paratypes: 2♂♂ (slides), Oklahoma, CNC No. 9102.

*Chironomus (Dicrotendipes) incurvus* Sublette, 1964, Tulane Stud. Zool. 11(4): 126. USA.

Paratypes: 4♂♂ (slides), Louisiana, CNC No. 10949.

*Chironomus (Kiefferulus) umbraticola* Yamamoto, 1979, Kontyû 47(1): 10. JAPAN.

Paratypes: 2♂♂, 1♀ (pinned), Japan, CNC No. 17661.

*Chironomus (Kribioxenus) babiyi* Rempel, 1937, Can. Ent. 69: 274. USA.

Holotype ♂ (pinned): Ithaca, N.Y., 22, May. 1937, P.P. Babiy coll. at light/HOLOTYPE C. (Kribioxenus) babiyi Rempel, CNC No. 4265/HOLOTYPE ♂ C. (Kribioxenus) babiyi Rempel.

Allotype ♀ (pinned): Same data as holotype except 11 June 1937.

*Compteromesa oconeensis* Saether, 1981, Aquatic Insects 3(4): 195. USA.

Remarks: There is a specimen labeled as a paratype in the CNC, but there was no paratype listed in the original description.

*Compterosmittia dentispina* Saether, 1981, Ent. scand. Suppl. 16: 20. ST. VINCENT, BRITISH WEST INDIES.

Paratypes: 2♂♂ (slides), St. Vincent; 1♀ (slide), St. Lucia, CNC No. 16753.

*Conchapelopia (Conchapelopia) bruna* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 249. CANADA.

Holotype ♂ (slides): 425A, HOLOTYPE, Conchapelopia (C.) bruna Roback, Baker Lake, N.W.T., 10-17.VII.49, CNC, det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. Type No. 10601, Conchapelopia bruna Roback.

Allotype ♀ (alcohol): Same data as holotype.

Paratypes: 2♂♂ (slides), 3♂♂, 12♀♀ (alcohol), Northwest Territories.

Remarks: The holotype is mounted on 2 different slides; slide number 425A contains all of the type specimen, except for one wing on slide number 425B.

*Conchapelopia (Conchapelopia) telema* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 247. CANADA.

Holotype ♂ (slide): 486, HOLOTYPE, Conchapelopia (C.) telema Roback, Beverlodge, Alta., 29.V.1931, (Strickland) Alb., det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. type No. 10927.

Paratypes: 1♂ (pinned) (abdomen on slide), Ontario; 5♂♂ (pinned), 1♂ (slides), Northwest Territories.

*Corynoneura cubitus* Garrett, 1925, Seventy new Diptera, p. 10. CANADA.

Holotype ♀ (pinned): Cranbrook, B.C., 17.VI./Monotype Coryoneura [sic] cubita ♀ C. Garrett, C.B.D. Garrett/CNC No. 7930.

***Cricotopus abana*** Curran, 1929, Am. Mus. Novit. 339: 1. CANADA.
Paratype: 1♂, 1♀ (pinned), Manitoba, CNC No. 2899.
Remarks: In the original description the generic name *Cricotopus* was mispelled *Crictopus*. The terminalia of the above male paratype is mounted on a microscope slide No. 565-1102.

***Cricotopus brunnicans*** Walley, 1928, Can. Ent. 60: 21. CANADA.
Holotype ♀ (slide): HOLOTYPE, Slide No., Saskatoon, Sask., 23 June 1926, Kenneth M. King, Can. Nat. Coll. ♀ Type No. 2554 Cricotopus brunnicans Walley/HOLOTYPE ♀ Cricotopus brunnicans Walley, CNC No. 2554/16446 67 AHN.

***Cricotopus cumulatus*** Hirvenoja, 1973, Annls zool. Fenn. 10: 146. GREENLAND.
Holotype ♂ (slide): Holotype/Cricotopus cumulatus sp. n. Greenland, Nedre Midsommer So, 25.VII.1966, Can. Peary Land Exp., M. Hirvenoja det./Can. Nat. Coll. Type No. 18218.
Paratypes: 3♂♂, 5♀♀ (slides), Greenland.

***Cricotopus flannagani*** Saether, 1971, Can. Ent. 103: 1809. CANADA.
Holotype ♂ (slide, with pupal and larval exuviae): HOLOTYPE, Slide No. M.33.3, Crystal Springs, Man., Emg. 28.VII.69, Date, 16.VII.69, Det. O.A. Saether, Leg. O.A.S. - J. Flannagan, Can. Nat. Coll. Type No. 11472, Cricotopus flannagani O.A. Saether.

***Cricotopus lebetis*** Sublette, 1964, Tulane Stud. Zool. 11(4): 118. USA.
Paratypes: 2♂♂ (slides), Louisiana, CNC No. 10948.

***Cricotopus*** (s.s.) ***mackenziensis*** Oliver, 1977, J. Fish. Res. Bd Can. 34(1): 99. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Harris R., N.W.T., 26.VII.72, FWI - Pipeline Project, Can. Nat. Coll. Type No. 14015, Cricotopus (s.s.) mackenziensis Oliver/CH 3065.1.
Paratypes: 9♂♂, 8♀♀ (slides), 3 pupae (slides), 6 larvae (slides), 11 pupae (alcohol), 1 larval exuviae (alcohol), Northwest Territories.

***Cricotopus macraei*** Saether, 1971, Can. Ent. 103: 1799. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. m.33-1 1, Crystal Springs, Man., Date: 18.VII.1968, Leg. J.F.F. & G.P.M., Det. O.A. Saether, Can. Nat. Coll. Type No. 11471, Cricotopus macraei O.A. Saether.
Allotype ♀ (slide, with pupal and larval exuviae): Same data as holotype except Slide No. M.33.3 6, Emg: 21.VII.69 Date: 16.VII.69.
Paratypes: 1♂, 3♀♀ (slides, with pupal and larval exuviae), Manitoba.

***Cricotopus remus*** Sublette, 1964, Tulane Stud. Zool. 11(4): 115. USA.
Paratypes: 4♂♂ (pinned), Louisiana, CNC No. 19636.

***Cricotopus*** (***Cricotopus***) ***luciae*** LeSage & Harrison, 1981, Proc. ent. Soc. Ont. (1980) 111: 91. CANADA.
Holotype ♂ (slide): Elmira, Ont., Salem creek, 25.V.-1.VI.1978, Trap 11, Coll. L. LeSage, Cricotopus luciae LeSage & Harrison, HOLOTYPE ♂/Can. Nat. Coll. Type No. 19013.
Allotype ♀ (slide): Same data as holotype except trap 14.
Paratypes: 2♂♂, 1♀ (slides), Ontario.

***Cricotopus*** (***Cricotopus***) ***pilocapsulus*** Saether, 1981, Ent. scand. Suppl. 16: 6. ST VINCENT, BRITISH WEST INDIES.
Paratypes: 1♂, 1♀ (slides), St. Vincent, CNC No. 16750.

***Cricotopus*** (***Isocladius***) ***myriophylli*** Oliver, 1984, Can. Ent. 116: 1287. CANADA.
Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. Okanagan Lake, B.C., 20.VII.83, D.R. Oliver, Can. Nat. Coll. Type No. 18126, Cricotopus (Isocladius) myriophylli Oliver.
Paratypes: 4♂♂, 5♀♀ (slides), 5 pupae (slides), 50♂♂ (alcohol), 9 larvae (alcohol), British Columbia; 2♂♂ (slides, with larval and pupal exuviae), 2 larvae (slides), Ontario.

***Cryptochironomus blarina*** Townes, 1945, Am. Midl. Nat. 34(1): 99. USA.
Paratype: 1♂ (pinned), Ontario (Canada), CNC No. 5672.

***Cryptochironomus conus*** Mason, 1985, Ent. scand. 16: 400. CANADA.
Holotype ♂ (slide, reared from larva): Cryptochironomus conus Mason, Saskatchewan, S. Sask. R., Saskatoon, 1/4 mi upstream from Q.E. Power Stn., 17.V.77, press. 22.V.77, P.G. Mason 7043.3/HOLOTYPE/Can. Nat. Coll. Type No. 19242.
Allotype ♀ (slide with pupal exuviae): Same data as holotype.

***Cryptochironomus curryi*** Mason, 1985, Ent. scand. 16: 404. CANADA.
Holotype ♂ (slide, reared from larva): Cryptochironomus curryi Mason, Saskatchewan, Tobin L., at Squaw R. Dam boatlaunch, 14.VI.80, press. 14.VI.80, P.G. Mason 80105.1/HOLOTYPE/Can. Nat. Coll. Type No. 19243.

***Cryptochironomus eminentia*** Mason, 1985, Ent. scand. 16: 406. CANADA.
Holotype ♂ (slide, reared from larva): Cryptochironomus eminentia Mason, Saskatchewan, Sask., R., 4 mi upstream from Nipawin at Bushfield flats, 7.VII.79, press. 23.VII.79, P.G. Mason 79086.1/ HOLOTYPE/ Can. Nat. Coll. Type No. 19244.
Allotype ♀ (slide, reared from larva): Cryptochironomus emineutia Mason, Saskatchewan, S. Sask. R., Ferry N. of Birch Hills, 1.VII.76, emerged 15.VII.76, P.G. Mason, L6300.5/ALLOTYPE/Can. Nat. Coll. Type No. 19244.

***Cryptochironomus ramus*** Mason, 1985, Ent. scand. 16: 409. CANADA.
Holotype ♂ (slide, reared from larva): Cryptochironomus ramus Mason, Saskatchewan, Tobin L., at Squaw R. Dam boatlaunch, 26.VI.79, pres. VI. or VII.79, P.G. Mason, 79063.1/HOLOTYPE/Can. Nat. Coll. Type No. 19245.
Allotype ♀ (slide, reared from larva): Same data as holotype except 79063.3.

*Cryptochironomus scimitarus* Townes, 1945, Am. Midl. Nat. 34(1): 98. USA.
Paratype: 1♂ (pinned), Ontario, CNC No. 5670.
Remarks. The terminalia of the paratype is mounted on a microscope slide.

*Cryptotendipes pilicuspis* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 98. CANADA.
Holotype ♂ (slide): HOLOTYPE ♂, Slide No. 33 uu, McBeth Harbour, Lake Winnipeg (L.T.), 30.VII.69, Leg. S.S. Chang, Can. Nat. Coll. Type No. 14021, Cryptotendipes pilicuspis O.A. Saether.

*Diamesa amplexivirilia* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 53. USA.
Paratypes: 7♂♂ (alcohol), 1♂ (slide), Alberta CNC No. 15852.

*Diamesa arctica* Malloch, 1919, Report of the Canadian Arctic Expedition, 1913-18, Pt.C.3: 37. CANADA.
Holotype ♀ (slide): TYPE Diamesa arctica Mall., CNC No. 241/Colville Mts., Wallaston Is., Franklin/Canadian Arctic Expedition July 22, 1915/D. Jenness Coll./HOLOTYPE, Slide No., Colville Mts., Wallaston I., D.F., 22.VII.15, Can. Arctic Expd., Can. Nat. Coll. Type No. 241, Diamesa arctica Mall.
Paratype: sex? (pinned), Northwest Territories.

*Diamesa banana* Garrett, 1925, Seventy new Diptera, p. 6. CANADA
Lectotype ♂ (pinned): Cranbrook, B.C., 12.VIII/5141 hypo ant/Hypo ant ♂ 5141/Holotype Diamesa banana ♂ C. Garrett C.B.D. Garrett/Lectotype Sublette, 1963/CNC No. 7915.
Paralectotypes: 13♀♀ (pinned), 1♀ wing (slide no. 5609) British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 294). The antennae and terminalia of the holotype are mounted on microscope slide No. 5141.

*Diamesa borealis* Garrett, 1925, Seventy new Diptera, p. 6. CANADA.
Lectotype ♂ (pinned): Cranbrook, B.C., 9.XI/Paratype Diamesa borealis ♂ C. Garrett, C.B.D. Garrett/Lectotype Sublette, 1963/CNC Type no. 7916, Slide No. 1.
Paralectotypes: 4♂♂, 5♀♀ (pinned), 1♂ terminalia (slide no. 5583), 1♂ terminalia (slide labeled as holotype no. 5140), 1♂ terminalia, 1♂ antennae (slides labeled as holotype Diamesa borealis Var. A. No. 5142), 1♂ antennae (slide labeled as holotype Diamesa borealis Var. B. No. 5143), 1♀ wing (slide labeled as allotype No. 5619), 1♀ wing, 1♂ antennae and legs (slide Nos. 5621 and 5583), British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 296). The terminalia of the lectotype are mounted on microscope slide number 1.

*Diamesa cheimatophila* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 68. USA.
Paratype: 1♂ (slide), New York, CNC No. 15854.
Remarks: There is 1 additional specimen in alcohol, labeled as a paratype, but it is from a locality not mentioned in the original description.

*Diamesa chiobates* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 70. USA.
Paratypes: 1♂ (slide), 1♂ (pinned), 2♂♂ (alcohol), Wisconsin, CNC No. 15849.

*Diamesa colenae* Hansen & cook, 1976, Mem. Am. ent. Soc. 30: 76. USA.
Paratypes: 1♂ (slide), 4♂♂ (alcohol), Yukon Territory (Canada), CNC No. 15853.

*Diamesa fonticola* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 24. CANADA.
Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, The Bog at the Pas, Manitoba, Spring on stones, 5.VII.67 Coll. A.L.H., O.A.S., Det. O.A. Saether, Can. Nat. Coll. Type No. 9973, Diamesa fonticola O.A. Saether.
Allotype ♀ (slide): Same data as holotype except slide No. 2, lacking data "Spring on stones".

*Diamesa fulvus* Johannsen, 1921, Ent. News 32(8): 229. USA.
Remarks: There is a pinned specimen labeled as a paratype in the CNC. However, it is one of the male specimens from the series of specimens taken at St. Joseph, Illinois, that Malloch (1915, p. 478) subsequently described the male from, and therefore has no type status.

*Diamesa insidiosa* Serra-Tosia, 1983, Spixiana 6(1): 4. NEPAL.
Holotype ♂ (slide): Diamesa insidiosa Serra-Tosio, HOLOTYPE/19-26.V.1967, Diamesa insidiosa Serra-Tosio, Can. Nepal Exped. 27° 57'N. 84° 59'E., Mal. tr. 5, 10000 feet/CNC No. 19626.

*Diamesa leoniella* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 111. USA.
Paratypes: 3♂♂ (alcohol), 4 pupae (alcohol), CNC No. 15850.

*Diamesa lurida* Garrett, 1925, Seventy new Diptera. p. 6. CANADA.
Holotype ♀ (pinned): Cranbrook, B.C., 20.VI./Monotype Diamesa lurida ♀ C. Garrett, C.B.D. Garrett/CNC No. 7917.

*Diamesa nivicavernicola* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 123. USA.
Paratypes: 2♂♂ (pinned), Washington, CNC No. 17659.

*Diamesa spinacies* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 27. CANADA.
Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, Slide No. A.3.1, Waterton National Park, Rowe creek above Hwy., 21.VII.67, Det. Saether, Leg. O. Saether, A. Hamilton, Can. Nat. Coll. Type No. 9974, Diamesa spinacies O.A. Saether
Paratypes: 11 larvae (slides), 1♀ pupa with larval exuviae (slide), 1 pupa (slide), 1 pupal exuviae (slide), Alberta.

*Diamesa vockerothi* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 139. CANADA.
Holotype ♂ (slide): Ottawa, Ontario, 21.III.1957, J.R. Vockeroth, Slide DH 70-60 CNC/

Diamesa vockerothi Hansen, det. Dean Hansen, 1971/Can. Nat. Coll. Type No. 15851, Diamesa vockerothi Hansen, HOLOTYPE.
Paratypes: 2♂♂ (slides), 8♂♂, 5♀♀ (alcohol), Quebec; 73♂♂, 7♀♀ (alcohol), Ontario.

***Diamesa* (*Diamesa*) *ruwenzoriensis*** Freeman, 1955, Bull. Br. Mus. nat. Hist. (Ent.) 4(1): 62. UGANDA.
Paratype: 1♂ (pinned), Uganda, CNC No. 19635.

***Dicrotendipes adnilus*** Epler, 1987, Evolut. Monogr. 9: 28. USA.
Paratype: 1♂ (slide), Arizona, CNC No. 18436.

***Dicrotendipes crypticus*** Epler, 1987, Evolut. Monogr. 9: 39. USA.
Paratypes: 1♂, 1♀ (slides), New Mexico, CNC No. 18438.

***Dicrotendipes modestus*** Say, 1823, J. Acad. nat. Sci. Philad. 3: 13. USA.
Neotype ♂ (slide): Dicrotendipes modestus ♂ (Say), Loc. Vineland, Ont., Date 25.1.1977, Coll. J.W. Jones, Det. No. CH 3315 NEOTYPE/ Dicrotendipes modestus (Say) det. J.H. Epler 1983.
Remarks: For neotype designation see Epler (1987, p. 75).

***Dicrotendipes simpsoni*** Epler, 1987, Evolut. Monogr. 9: 84. USA.
Paratype: 1♂, 1♀, 1 larval exuviae (slide), New York, CNC No. 18437.

***Dicrotendipes thanatogratus*** Epler, 1987, Evolut. Monogr. 9: 88. USA.
Paratype: 1♂ (slide with larval and pupal exuviae), Florida, CNC No. 18435.

***Diplosmittia harrisoni*** Saether, 1981, Ent. scand. Suppl. 16: 30. ST. LUCIA BRITISH WEST INDIES.
Paratypes: 2♂♂ (slides), St. Vincent, CNC No. 16755.

***Doithorix ensifer*** Saether & Sublette, 1983, Ent. scand. Suppl. 20: 15. USA.
Paratypes: 10♂♂ (slides), California, CNC No. 18592.

***Doithrix hamiltoni*** Saether & Sublette, 1983, Ent. scand. Suppl. 20: 17. CANADA.
Paratype: 1♂ (slide), British Columbia, CNC No. 18593.

***Doncricotopus bicaudatus*** Saether, 1981, Ent. scand. 12: 225. CANADA.
Paratypes: 2♂♂ (slides, with pupal exuviae), Northwest Territories, CNC No. 16749.

***Einfeldia synchrona*** Oliver, 1971, Can. Ent. 103: 1591. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Einfeldia synchrona Oliver, Can. Nat. Coll. Type No. 11981, South March, Ont., 20.V.1970, H.V. Danks.
Paratypes: 9♂♂, 8♀♀ (with larval and pupal exuviae slides), 1♂ (with pupal exuviae slide), 2♂♂ (slides), 1♂ (associated pupal exuviae alcohol), 3♂♂, 7♀♀ (alcohol), 5 larvae (alcohol), Ontario.

***Eukiefferiella paucunca*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 46. CANADA.
Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. A.3.1, reared, Waterton National Park, Rowe creek by Hwy., Alta., leg. A. Hamilton, O. Saether, Det. O.A. Saether, Can. Nat. Coll. Type No. 9978, Eukiefferiella paucunca O.A. Saether.
Allotype ♀ (slide, pupa with larval exuvia): ALLOTYPE, Slide No. M 1.4 (2), Heming Lake, Man., 24.VI.31.VII, leg: A.P. Weins, Det. O.A.S. reared, Can. Nat. Coll. Type No. 9978, Eukiefferiella paucunca O.A. Saether.
Paratypes: 1♂ (with pupal exuviae slide), Ontario; 1♂, 4 larvae (slides), Alberta.

***Eukiefferiella vitracies*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 49. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. 0.9.1, Kenora, Ont., stream Mando Rd., 23.VIII.67, Leg. O.A.S. & A.L.H., Can. Nat. Coll. Type No. 9979, Eukiefferiella vitracies O.A. Saether/046.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 4♂♂ (slides), 6 pupal exuviae (slide), Ontario.

***Euryhapsis cilium*** Oliver, 1981, Can. Ent. 113: 714. CANADA.
Holotype ♂ (slide with pupal exuviae): HOLOTYPE Slide No. Martin R., N.W.T. 2.VI.73, F.W.I. Pipeline Project, Can. Nat. Coll. Type No. 16476, Euryhapsis cilium Oliver/06.
Paratypes: 4♂♂, 1♀ (slide), 2 larvae (slides), 57♂♂, 21♀♀ (alcohol), Northwest Territories; 1♂, 1♀ (slides with pupal exuviae), 4 pupae (slides), 6 larvae (slides), 2 larvae (alcohol), Yukon Territory.

***Euryhapsis illoba*** Oliver, 1981, Can. Ent. 113: 720. USA.
Paratype: 1♂ (slide), California, CNC No. 19565.

***Georthocladius triquetrus*** Saether & Sublette, 1983, Ent. scand. Suppl. 20: 25. USA.
Paratypes: 1♂, 1♀ (slides), South Carolina, CNC No. 18594.

***Glyptotendipes* (*Glyptotendipes*) *unacus*** Towns, 1945, Am. Midl. Nat. 34(1): 146. CANADA.
Holotype ♂ (pinned): Norway Bay, Que., 26.VIII.1938, G.E. Shewell/At light/Slide IV.2.42 G/ HOLOTYPE Glyptotendipes unacus Tow. CNC No. 5666/Glyptotendipes unacus Type Townes.
Remarks: The terminalia of the holotype are mounted on microscope slide No. IV.2.42 G.

***Guttipelopia rosenbergi*** Bilyj, 1984, Can. J. Fish. aquat. Sci. 41(4): 663. CANADA:
Holotype ♂ (slide with associated pupal exuviae): HOLOTYPE, Slide No. 3, Wupaw Bay, Southern Indian Lake, Manitoba, 10-13.VI.1977, Leg. M. Collins, Can. Nat. Coll. Type No. 16326, Guttipelopia rosenbergi B. Bilyj.
Allotype ♀ (slide with associated pupal exuviae): ALLOTYPE, Slide No. 1, Trailer Bay, Southern Indian Lake, Manitoba, 19.V.1977, Leg. J. Peterson, Can. Nat. Coll. Type No. 16326, Guttipelopia rosenbergi B. Bilyj.
Paratype: 1♂ (slide), Manitoba.

***Gymnometriocnemus marionensis*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 129. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Marion L., B.C., at dock, 25.V.65, Det. O.A.

Saether Coll. A.L. Hamilton, Can. Nat. Coll. Type No. 10000, Gymnometriocnemus marionensis O.A. Saether.

***Gymnometriocnemus* (*Raphidocladius*) *acigus*** Saether, 1983, Aquatic Insects 5(4): 214. USA.
Paratype: 1♂ (slide), Tennessee, CNC No. 18596.

***Harnischia* (*Harnischia*) *argentea*** Towns, 1945, Am. Midl. Nat. 34(1): 164. CANADA.
Holotype ♂ (pinned): Fitzroy Harb., Ont., 11.VII.1938, G.E. Shewell/Slide IV.2.42I/ HOLOTYPE Harnischia argentea Tow. CNC No. 5667/Harnischia argentea Type Tow.
Remarks: The terminalia of the holotype are mounted on microscope slide No. IV.2.42 ♂.

***Harnischia* (*Harnischia*) *cuneata*** Townes, 1945, Am. Midl. Nat. 34(1): 163. USA.
Paratypes: 1♂ (pinned), Quebec; 3♂♂ (pinned), 1♂ (slide), Ontario, CNC No. 5683.

***Harnischia* (*Harnischia*) *fastigata*** Townes, 1945, Am. Midl. Nat. 34(1): 162. USA.
Paratype: 1♂ (pinned), Quebec, CNC No. 5682.

***Harnischia* (*Harnischia*) *potamogeti*** Townes, 1945, Am. Midl. Nat. 34(1): 159. USA.
Paratypes: 2♂♂ (pinned), Ontario; 1♂ (slide), Manitoba, CNC No. 5673.

***Heleniella curtistila*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 130. CANADA.
Holotype ♂ (slide, prepared from pupa): HOLOTYPE, Slide No. B.C. 2.7, stream east slope Marion Lake Valley, B.C., 15.VII.67, Leg. O.A.S. & A.L.H., Det. O.A. Saether, Can. Nat. Coll. Type No. 10001, Heleniella curtistila O.A. Saether.
Allotype ♀ (slide, prepared from pupa): ALLOTYPE, Slide No. A. 2.1, Waterton Nat. Pk., 21.VII.67, Leg. O.A.S. & A.L.H., Det. O.A.S., Can. Nat. Coll. Type No. 10001, Heleniella curtistila O.A. Saether.
Paratypes: 3♀♀ pupal exuviae (slide), British Columbia.

***Heleniella hirta*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 134. CANADA.
Holotype ♂ (slide with pupal exuviae): HOLOTYPE, Slide No. DRO 19.3.3, Hermit trail Stm., Gatineau Pk., P.Q., Coll. 26.V.67, Em. 28.V.67, Leg. D.R.O., R.O.M., L.H.S., Can. Nat. Coll., Type No. 10002, Heleniella hirta O.A. Saether.
Allotype ♀ (slide prepared from pupa): ALLOTYPE, Slide No. 2, Costello Ck., Algonquin Pk., Ont., 1.VI.1966, Leg J. Martin, Det. O.A.S., Can. Nat. Coll. Type No. 10002, Heleniella hirta O.A. Saether.

***Heterotanytarsus nudalus*** Saether, 1975, J. Fish. Res. Bd Can. 32(2): 263. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., ELA, Kenora, Ont., 17.V.1968, L. 122, Stn. 1, Leg. S.S. Chang, Can. Nat. Coll. Type No. 13401, Heterotanytarsus nudalus, O.A. Saether/032.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 4♂♂, 3♀♀ (slides), Ontario.

***Heterotanytarsus perennis*** Saether, 1975, J. Fish. Res. Bd Can. 32(2): 260. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Marion L., B.C., 14.VI.1965, West shore, Leg. A.L. Hamilton, Can. Nat. Coll., Type No. 13400, Heterotanytarsus perennis O.A. Saether/031.
Paratypes: 3 larvae (slide), 1 pupal exuviae (slide), British Columbia.

***Heterotrissocladius changi*** Saether, 1975, Bull. Fish. Res. Bd Can. 193: 47. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., L. Wpg. (LT) 15A, 1/4 mi. offshore, George Island, 6.VI.1969, #15A, Leg. S.S. Chang, Can. Nat. Coll. Type No. 13399, Heterotrissocladius changi O.A. Saether.
Allotype ♀ (slide): Same data as holotype, except No. Fem. Chir. 15-1 (9-15).
Paratypes: 1 larvae, 1 pupa (slides), Ontario; 1♀ (slide), Manitoba; 1♂, 1♀ (slides), Alberta.
Remarks: The CNC type No. published in the original description is 13299, but this is an incorrect number. It should be 13399.

***Heterotrissocladius cooki*** Saether, 1975, Bull. Fish. Res. Bd Can. 193: 41. USA.
Holotype ♂ (slide): U.S.A., Minnesota, Hubbard Co., Lower La Salle Lake, N.J. Mosquito Trap, May 7, 1970, E.F. Cook/HOLOTYPE Slide No., Can. Nat. Coll. Type No. 13606, Heterotrissocladius cooki O.A. Saether.

***Heterotrissocladius hirtapex*** Saether, 1975, Bull. Fish. Res. Bd Can. 193: 39. CANADA.
Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No., Kenora, Ont., 3.V.1968, 40 M.S.E. Creek, 0.12.1, Leg. A.L.H., A. Weins, P. Chang, Can. Nat. Coll. Type No. 13398, Heterotrissocladius hirtapex O.A. Saether.
Allotype ♀ (slide, with larval and pupal exuviae): Same data as holotype except 13.V.68.
Paratypes: 1♂, 1♀ (with pupal exuviae) (slides), Ontario.

***Heterotrissocladius latilaminus*** Saether, 1975, Bull. Fish. Res. Bd Can. 193: 36. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Marion L., B.C., 6.V.1964, Emergence St. V., Leg. A.L. Hamilton, Can. Nat. Coll. Type No. 13397, Heterotrissocladius latilaminus O.A. Saether.
Allotype ♀ (slide): Same data as holotype except St. II. No. 2.
Paratypes: 3 larvae (slides), 1 pupal exuviae (slide), British Columbia.

***Heterotrissocladius oliveri*** Saether, 1975, Bull. Fish. Res. Bd Can. 193: 19. CANADA.
Syntypes: 2♂♂, 1♀ (slides), 4 larvae (slides), 2 pupae (slides), 2 pupal exuviae (slides), Northwest Territories; 9 larvae (slides), Ontario, CNC No. 13396.
Remarks: On the one slide labeled holotype and allotype, the male and female were taken in copulation and mounted on the same slide. But Saether in the original description did not indicate whether the holotype was the male or the female. Therefore all specimens will have to be considered as syntypes.

***Hydrobaenus calvescens*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 158. USA.

Holotype ♂ (slide): HOLOTYPE, Slide No., Platte Cr., Lake Francis Case, Platte, South Dakota, Leg. P. Hudson, 3.V.1972, Can. Nat. Coll. Type No. 13484, Hydrobaenus calvescens O.A. Saether/H. calvescens sp.n. HOLOTYPE.

*Hydrobaenus conformis labradorensis* subsp. n. Saether, 1976, Bull. Fish. Res. Bd Can. 195: 89. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 34, Astray L., Labrador, Nfld., Leg. D.R. Oliver, K-310-1, 31.VIII.1957, Can. Nat. Coll. Type No. 13540, Hydrobaenus conformis labradorensis O.A. Saether.

Allotype ♀ (slide): Same data as holotype.

Paratypes: 2♂♂ (slides), Labrador.

*Hydrobaenus hudsoni* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 131. USA.

Holotype ♂ (slide, reared from larvae): HOLOTYPE, Slide No. 80, St. Phillips Bay, Pickstown, S. Dakota, - flooded terrestial veg. covered with periphyton, Leg. P. Hudson 14.V.1969, Can. Nat. Coll. Type No. 13480 Hydrobaenus hudsoni O.A. Saether/121.19.26.

*Hydrobaenus laticaudus* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 80. USA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 1503 CH-110, Pond 6, CH 110, Ogotoruk Cr., Cape Thompson, Alaska, Leg. W.C. Hanson, 11.VI.60, Can. Nat. Coll. Type No. 13477, Hydrobaenus laticaudus O.A. Saether.

*Hydrobaenus martini* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 134. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. DRO 50-13, Bailey Point, Melville Is., N.W.T., 30.VII.1965, Leg. J.E.H. Martin, Can. Nat. Coll. Type No. 13481, Hydrobaenus martini 0.A. Saether

Allotype ♀ (slide, partly emerged female with exuviae): ALLOTYPE, Slide No. 3.6, Swedish Lappland 1936, Leg. A. Thienemann (=as Trissocladius sp. B.), Can. Nat. Coll. Type No. 13481, Hydrobaenus martini O.A. Saether.

Paratypes: 2♀♀ adults, 1♂, 4♀♀ pupae, 2 pupal exuviae, 2 larvae (all on same slide), no locality label. 15♂♂ (alcohol), Northwest Territories.

*Hydrobaenus pilipodex* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 144. USA.

Holotype ♂ (slide, reared from larvae): HOLOTYPE, Slide No. 118, St. Phillips Bay, Pickstown, S. Dakota, USA. - flooded terrestrial veg. 29.V.1969, Leg. P. Hudson, Can. Nat. Coll. Type No. 13482, Hydrobaenus pilipodex O.A. Saether/ 124.24/121.24.25.

Remarks: The date on the type label is 29.V.1969, while the date given in the original description is 29.2.69.

*Hydrobaenus scapulapilosus* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 124. CANADA.

Holotype ♂ (slide, reared from larvae): HOLOTYPE, Slide No. 10, Bells Corner Stream, Ontario, 0.16.2, reared, Leg. D.R. Oliver, 10.IV.66, Can. Nat. Coll. Type No. 13478, Hydrobaenus scapulapilosus O.A. Saether.

Allotype ♀ (slide, reared from larvae): Same data as holotype.

*Hydrobaenus spinnatis* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 152. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 4A-4, Old Chelsea, Quebec, Ex. 58 MPD, 24.IV.1958, Leg. J.R. Vockeroth, Can. Nat. Coll. Type No. 13483, Hydrobaenus spinnatis O.A. Saether.

Allotype ♀ (slide): Same data as holotype except slide No. 4D-1.

Paratypes: 3 pupal exuviae (slide), 42♂♂, 14♀♀ (alcohol), 15 pupal exuviae (alcohol), Quebec.

*Hydrobaenus tumidistylus* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 160. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. CH 207, Clyde, Baffin Is., N.W.T., 23.VII.1958, Leg. J.E.H. Martin, Can. Nat. Coll. Type No. 13485, Hydrobaenus tumidistylus O.A. Saether.

*Hydrobaenus virgo* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 128. CANADA.

Holotype ♀ (slide): HOLOTYPE Slide No. CH 204-56, Jack R. 1/2 m. from Munster Hamlet, Ontario, Leg. A.R. Soponis, 13.V.72, Can. Nat. Coll. Type No. 13479, Hydrobaenus virgo O.A. Saether.

Paratypes: 400♀♀ (alcohol), Ontario.

*Irisobrillia longicosta* Oliver, 1985, Can. Ent. 117: 1109. VENEZUELA.

Holotype ♂ (slide): HOLOTYPE, Slide No., Merida, Simon Bolivar, N.P. nr. La Aguenda, Venezuela, 6-13.V.81, L. Masner, Can. Nat. Coll. Type No. 18626, Irisobrillia longicosta Oliver.

Paratype: 1♂ (slide), Venezuela.

*Labrundinia becki* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 279. USA.

Holotype ♂ (slides): 535A, HOLOTYPE, Labrundinia becki Roback, Tucker, Fla., 15.IV.52, (Vockeroth) CNC, det. S.S. Roback/Can. Nat. Coll. Type No. 10600, Labrundina [sic] becki Rob., HOLOTYPE.

Remarks: The holotype is mounted on 2 different slides. Slide No. 535A contains the abdomen and thorax; slide No. 535B contains the legs, wings and antennae.

*Larsia canadensis* Bilyj, 1984, Can. J. Fish. aquat. Sci. 41(4): 663. CANADA.

Holotype ♂ (slide with associated pupal exuviae): HOLOTYPE Slide No. 4, Dog Bone Is., Southern Indian Lake, Manitoba, 10-13.VII.1978, Leg. B. Wong, Can. Nat. Coll. Type No. 16817 Larsia canadensis B. Bilyj.

Allotype ♀ (slide): ALLOTYPE Slide No. 5, Sandhill Bay, Southern Indian Lake, Manitoba, 25-27.VI.1977, Leg. M. Collins, Can. Nat. Coll. Type No. 16817, Larsia canadensis B. Bilyj.

Paratypes: 4 larva, (slides), Newfoundland; 1 larva (slide), Quebec; 1♂ (slide), Ontario; 1 larva (slide), Manitoba; 1♂ (slide), Alberta; 5♂♂, 4♀♀ (slides with pupal exuviae), 5♂♂, 5♀♀ (slides with larval and pupal exuviae), 1♂ (slide), Northwest Territories, CNC No. 16817.

*Lasiodiamesa armata* Brundin, 1966, K. svenska Vetensk Akad. Handl. (4) 11(1): 325. SWEDEN.

Holotype ♂ (pinned): Abisko, Lpl., SWEDEN, 12.VII.1951, J.R. Vockeroth/Ex. pupa in

Carex sand/Lasiod. armata Brund. Holot./ CNC No. 11607 HOLOTYPE.

Remarks: The pupal exuviae and terminalia of the holotype are stored in glycerine in glass microvials that are pinned with adult specimen.

***Lasiodiamesa brusti*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 15. CANADA.

Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. 6. (N.W.T. 1.1), Rock pools in granite crevices, Baker L., N.W.T., 18.VII.67, Leg. R. Brust, Can. Nat. Coll. Type No. 9971, Lasiodiamesa brusti O.A. Saether.

Allotype ♀ (slide, with larval and pupal exuviae): Same data as holotype except slide No. 10.

Paratypes: 3♂♂, 2♀♀ (slide, with larval and pupal exuviae), 1 larva (slide), 1 pupa (slide), Northwest Territories.

***Lasiodiamesa nearctica*** Brundin, 1966, K. svenska Vetensk Akad. Handl. (4) 11(1): 326. CANADA.

Holotype ♂ (pinned): Saw Mill Bay, N.W.T., 23.VI.1948, D.F. Hardwick/9/Lasiodiam. nearctica Brund. Holotype/CNC No. 11608 HOLOTYPE.

Remarks: The pupal exuviae and abdomen of the holotype are stored in a glass microvial that is pinned with the specimen.

***Lauterbornia sedna*** Oliver, 1976, Can. Ent. 108: 1061. CANADA.

Holotype ♀ (slide): HOLOTYPE, Slide No. 52-135, Char L., Resolute, Cornwallis Is., N.W.T., 6.VII.68, D.R. Oliver, Can. Nat. Coll. Type No. 13600, Lauterbornia sedna Oliver.

Paratypes: 1♀ (slide with larval and pupal exuviae), 1♀ (slide with pupal exuviae), 13♀♀ (slides), 15 larvae (slides), 6 pupal exuviae (slides), Northwest Territories.

***Lenziella cruscula*** Saether, 1971, Can. Ent. 103: 1825. USA.

Holotype ♂ (slide with larval exuviae): HOLOTYPE, Slide No. 66, Lewis & Clarke L., N. Dak., Date: 7-19.V.1969, Leg: P. Hudson, Det: O.A. Saether Can. Nat. Coll. Type No. 11473, Lenziella cruscula O.A. Saether

Paratype: 1♂ (slide with pupal exuviae), South Dakota.

***Limnophyes carolinensis*** Saether, 1975, Can. Ent. 107: 1050. USA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 1, 1.22.74, 18 Mile Creek, Sunny Acres, Clemson, S.C., Can. Nat. Coll. Type No. 13506, Limnophyes carolinensis, Leg. P. Hudson, Det. O.A. Saether/Limnophyes carolinensis 1.

Allotype ♀ (slide): Jocassee Res., Salem, S.C., Elev. 1100 1.18.74 A, P. Hudson/ ALLOTYPE, Slide No. A, 1.18.74, Jocassee Res., Salem, S.C., Elev. 1100, Can. Nat. Coll. Type No. 13506, Limnophyes carolinensis, Leg. P. Hudson, Det. O.A. Saether.

Paratype: 1♂ (slide), South Carolina.

***Limnophyes coloradensis*** Saether, 1975, Can. Ent. 107: 1052. USA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 6-5, N. Boulder Creek, Aug. 2-3, 1971, Colorado, Can. Nat. Coll. Type No. 13508, Limnophyes coloradensis, Leg. O.A. Saether, Det. O.A. Saether.

***Limnophyes cristatissimus*** Saether, 1975, Can. Ent. 107: 1032. USA.

Holotype ♂ (slide): Jocassee Res., Salem, S.C., Elv. 1100' 10.16.73, P. Hudson/ HOLOTYPE, Slide No. 1, 10.16.73, Jocassee Res., Salem, S.C., Elv. 1100' Can. Nat. Coll. Type No. 13500, Limnophyes cristatissimus, Leg. P. Hudson, Det. O.A. Saether.

***Limnophyes folliculatus*** Saether, 1975, Can. Ent. 107: 1050. CANADA.

Holotype ♀ (slide): HOLOTYPE, Slide No. 42FF, 25.7.69, L. Wpg., (L.T.) 60J. Dock Victoria Beach, Can. Nat. Coll. Type No. 13505, Limnophyes folliculatus, Leg. S.S. Chang, Det. O.A. Saether.

***Limnophyes hamiltoni*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 101. CANADA.

Holotype ♂ (slide): HOLOTYPE, On Shore Marion L., B.C., 13.IX.65, Det. O.A.S., Coll. A.L. Hamilton, Can. Nat. Coll. Type No. 9993 Limnophyes hamiltoni O.A. Saether.

***Limnophyes hastulatus*** Saether, 1975, Can. Ent. 107: 1054. USA.

Holotype ♂ (slide): HOLOTYPE, 11.X.71, Slide No. PH 7, 10, Ed's Creek, Gavins Pt. Nat. Fish Hatchery, Yankton, S.D., Can. Nat. Coll. Type No. 13510, Limnophyes hastulatus, Leg. P. Hudson, Det. O.A. Saether.

Paratypes: 4♂♂ (slides), South Dakota.

***Limnophyes hudsoni*** Saether, 1975, Can. Ent. 107: 1032. USA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 1-2, 3., 7.5.72, Stratmens Bottom, Missouri R., 2 mi. N. Niobrara, Neb.,/Can. Nat. Coll. Type No. 13501, Limnophyes hudsoni, Leg. P. Hudson, Det. O.A. Saether.

Allotype ♀ (slide): ALLOTYPE, Slide No. II-I0 (A), Beaver Cr., 8 mi. N., 2 mi. W., Yankton, S.D., Can. Nat. Coll. Type No. 13501, Limnophyes hudsoni, Leg. P. Hudson Det. O.A. Saether.

Paratypes: 2♂♂, 1♀ slides), South Dakota; 1♂ (slide), South Carolina; 1♂ (slide), Nebraska; 1♂ (slide), Manitoba (Canada).

Remarks: The allotype slide is broken in half.

***Limnophyes immucronatus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 103. CANADA.

Holotype ♂ (slide): HOLOTYPE, Marion Lake, B.C., at dock, 8.V.65, Det. O.A. Saether, Coll. O.A.S. - A.L.H., Can. Nat. Coll. Type No. 9994, Limnophyes immucronatus O.A. Saether.

***Limnophyes margaretae*** Saether, 1975, Can. Ent. 107: 1053. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 6D, L. Wpg. (L.T.), 14.IX.71, Hecla Island, Leg. M.P. McLean, Can. Nat. Coll. Type No. 13509, Limnophyes margaretae O.A. Saether.

***Limnophyes ninae*** Saether 1975, Can. Ent. 107: 1048. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. 61-P, L. Wpg., Calder's Dock, 31.8.71, L.T., Can.

Nat. Coll. Type No. 13502, Limnophyes ninae, Leg. S.F. & N.H., Det. O.A. Saether.
Paratype: 1♂ (slide), Winnipeg.

***Limnophyes nudiradius*** Saether, 1975, Can. Ent. 107: 1048. USA.
Holotype ♂ (slide): HOLOTYPE, Slide No. 2, 11-8, 19.4.72, Beaver Creek, 8 mi. N. 2 mi. W., Yankton, S.D., Can. Nat. Coll. Type No. 13503, Limnophyes nudiradius, Leg. P. Hudson, Det. O.A. Saether.
Paratypes: 5♂♂ (slides), South Dakota.

***Limnophyes pilicistulus*** Saether, 1975, Can. Ent. 107: 1049. USA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Mariudahl Lake, 16.4.72, 2 mi E., 2 mi S., Mayfield, S.D., Spring below dam, Can. Nat. Coll. Type No. 13504, Limnophyes pilicistulus, Leg. P. Hudson, Det. O.A. Saether/Limnophyes pilicistulus AR-0.5.

***Limnophyes recisus*** Saether, 1975, Can. Ent. 107: 1052. USA.
Holotype ♂ (slide): Stratmens Bottom, 1 mile north of Niobrara, Neb., small artesian fed creek, Ap. 19, 72, P. Hudson/HOLOTYPE, small artesian fed cr., Slide No. 3, 19.4.72, Stratmens Bottom, 1 mile north of Niobrara, Neb., Can. Nat. Coll. Type No. 13507, Limnophyes recisus, Leg. P. Hudson, O.A. Saether.
Paratypes: 2♂♂ (slides), South Dakota.

***Limnophyes spatulosus*** Saether, 1975, Can. Ent. 107: 1055. USA.
Holotype ♂ (slide): Spring fed creek, 1 mi. West Lake City, Minn., March 25 1973, Holotype., P. Hudson/HOLOTYPE, Slide No. Spring fed Creek, 1 mi West, Lake City, Minn., March 25 73, Leg. P. Hudson, Can. Nat. Coll. Type No. 13511, Limnophyes spatulosus O.A. Saether.

***Linacerus piloala*** Garrett, 1925, Seventy new Diptera. p. 9. CANADA.
Lectotype ♀ (pinned): Cranbrook, B.C., 25.V./ Holotype Linacerus piloala ♀ C. Garrett, C.B.D. Garrett/Lectotype Sublette 1963.
Paralectotype: 1♀ wing (slide No. 5601), 1♀ terminalia (slide No. 5601), remainder of specimen on pin, British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 291). The above slides are labeled as ***Linacerus pilosa*** Garrett.

***Lipurometriocnemus glabalus*** Saether, 1981, Ent. scand. Suppl. 16: 15. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 1♂, 1♀ (slides), St. Vincent, CNC No. 16751.

***Mesosmittia patrihortae*** Saether, 1985, Spixiana Suppl. 11: 47. USA.
Paratype: 1♂ (slide), South Carolina, CNC No. 18601.

***Mesosmittia prolixa*** Saether, 1985, Spixiana Suppl. 11: 48. USA.
Paratype: 1♂ (slide), Georgia, CNC No. 18602.

***Mesosmittia tora*** Saether, 1985, Spixiana Suppl. 11: 50. USA.
Paratypes: 1♂ (slide), South Dakota, CNC No. 18600.

***Micropsectra digitata*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 132. NEPAL.
Holotype ♂ (slide): HOLOTYPE/Micropsectra digitata sp.n. 19-26.V.1967, Canad. Nepal Exped. 27°57'N 84°59'E. Mal. tr. 5, 10000', Vicinity of Katmandu, Nepal det. F. Reiss, 1970/Can. Nat. Coll. Type No. 11748.

***Micropsectra janetscheki*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 134. NEPAL.
Paratype: 1♂ (slide), Nepal, CNC No. 11745.

***Micropsectra repentina*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 136. NEPAL.
Holotype ♂ (slide): HOLOTYPE/19-26.V.1967, Micropsectra repentina sp.n., 27°57'N. 84°59'E., 10000', Vicinity of Katmandu, Nepal., Canad. Nepal Exp., det. F. Reiss, 1970/Can. Nat. Coll. Type No. 11746.
Paratype: 1♂ (slide), Nepal.

***Micropsectra torta*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 140. NEPAL.
Holotype ♂ (slide): HOLOTYPE/17-23.V.1967, Micropsectra torta sp.n., Canad. Nepal Exped. 27°56'N. 85°00' E., Mal. tr. 8, 10000 feet, det. F. Reiss, Vicinity of Katmandu, Nepal/Can. Nat. Coll. Type No. 11744.

***Monodiamesa depectinata*** Saether, 1973, J. Fish. Res. Bd Can. 30(5): 666. CANADA.
Holotype ♂: (slide): HOLOTYPE, slide No. 12 H, 20 mile creek, L. Wpg., Date: 1.IX.71, Leg. S. Flam & N. Hooper, Det. O.A. Saether, Can. Nat. Coll. Type No. 12917, Monodiamesa depectinata spec. nov.
Paratype: 1 larva (slide), Ontario.

***Monodiamesa prolilobata*** Saether, 1973, J. Fish. Res. Bd Can. 30(5): 673. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Marion Lake, B.C., Date: 18.VIII.1965, Leg: A.L. Hamilton, Det: O.A. Saether, Can. Nat. Coll. Type No. 12918, Monodiamesa prolilobata spec. nov.

***Monodiamesa tuberculata*** Saether, 1973, J. Fish. Res. Bd Can. 30(5): 671. USA.
Holotype ♂ (slides, with larval and pupal exuviae): HOLOTYPE W1285, 8-12, 408, Slide No., L. Michigan, near Waukegan, 12 m. Leg: 15.VIII.1972, Em: 20.VIII.1972, Legi C. Kondrat, Can. Nat. Coll. Type No. 12919, Monodiamesa tuberculate O.A. Saether.
Allotype ♀ (slide, pupa, reared from larvae): Same data as holotype except 13.IV.1972.
Paratypes: 5 larvae (slides), Michigan.
Remarks: The larval and pupal exuviae of the holotype are mounted on a separate slide, No. 143.15-17.

***Nanocladius (Nanocladius) anderseni*** Saether, 1977, Bull. Fish. Res. Bd Can. 196: 16. USA.
Holotype ♂ pupa (slide): HOLOTYPE' p., Slide No. Remount 3, 6392 2-1A, Missouri R., Brownville, Nebraska, Leg. D.L. Andersen, 13.V.75, Can. Nat. Coll. Type No. 14059, Nanocladius (Nanocladius) anderseni O.A. Saether.
Allotype ♀ pupa (slide): Same data as holotype.
Paratypes: 2♂♂ (slides), South Dakota.

*Nanocladius* (*Nanocladius*) *crassicornus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 51. USA.
Holotype ♂ pupa (slide): HOLOTYPE, Slide No., Missouri R., Sioux City, Iowa, 27.IV.76, Leg. J. Novotny, Can. Nat. Coll. Type No. 15204, Nanocladius (Nanocladius) crassicornus O.A. Saether.

*Nanocladius* (*Nanocladius*) *incomptus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 43. USA.
Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, ♂ p., Slide No. Cont. # 1, Keowee Reservoir, Little River Dam, S.C., Leg. P. Hudson, 16.IV.75, Can. Nat. Coll. Type No. 14062, Nanocladius (N.) incomptus O.A. Saether.
Allotype ♀ (slide): Same data as holotype except slide No. 2-16, 19.V.75.
Paratypes: 1♂, 1♀ (slides), 2 larvae (slides), South Carolina.

*Nanocladius* (*Nanocladius*) *minimus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 21. USA.
Holotype ♂ (slide, with pupal exuviae): HOLOTYPE ♂, p., Slide No., Keowee Reservoir, S.C., Warpath Area, Oconee Nuclear Sta., Seneca, S.C., 28.IV.75, Leg. P.L. Hudson, Can. Nat. Coll. Type No. 14060, Nanocladius (Nanocladius) minimus O.A. Saether.
Allotype ♀ (slide): Same data as holotype except Emerg. Trap heated, 7.2.75.
Paratypes: 1 larva, 1 pupa (slide), 3 pupal exuviae (slide), South Carolina.

*Nanocladius* (*Nanocladius*) *spiniplenus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 37. CANADA.
Holotype ♀ (slide, reared from larvae): HOLOTYPE ♀ 1. p., Slide No. CH905, Green Creek, Ontario, Leg. L. Haig-Smillie, R. Macdonald, 21.VI.1967, Can. Nat. Coll. Type No. 14061, Nanocladius (Nanocladius) spiniplenus O.A. Saether.

*Nanocladius* (*Plecopteracoluthus*) *branchicolus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 12. CANADA.
Holotype ♀ (slide, reared from pupa): HOLOTYPE ♀ p., Slide No. 1 0.12.3, 6.VII.1968, under wing pad Acroneuria lycorias - rapids in stream MacDonald L. to L. 665 E.L.A., Kenora, Leg. J.F. Flannagan, A.P. Wiens, Can. Nat. Coll. Type No. 14058, Nanocladius (Pleopteracoluthus) branchicolus O.A. Saether.
Paratypes: 4 larvae (slide), Ontario.

*Neostempellina thienemanni* Reiss, 1984, Spixiana 7(2): 205. GERMANY.
Paratype: 1♂ (slide), Germany, CNC No. 18426.

*Odontomesa ferringtoni* Saether, 1985, Spixiana 11: 25. USA.
Paratype: 1♂ (slide), Colorado, CNC No. 18607.

*Oreadomyia albertae* Keven & Cutten-Ali-Khan, 1975, Can. J. Zool. 53(6): 856. CANADA.
Holotype ♀ (slide): HOLOTYPE, Slide No., Bald Hills, Jasper Nat. Pk., Alta., 52°43'N., 117°41'W., 19-31.VIII.70, P. Kuchar, Can. Nat. Coll. Type No. 16041, Oreadomyia albertae Kevan & Cutten-Ali-Khan.
Remarks: McAlpine (1979, p. 597) first noted that this species belonged to the family Chironomidae. Subsequently, Oliver (1981 p. 123) redescribed the species and defined its placement within the Chironomidae.

*Orthocladius s.str. annectens* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 61. CANADA.
Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Loc: Rushing River, Duck Mtns., Man., Submerged birch, 31.V.67, Leg: A.L.H. & O.A.S., Det. O.A.S., Can. Nat. Coll. Type No. 9982, slide No. M.19.2 reared, Orthocladius annectens O.A. Saether.
Paratype: 1♂ (slide, with pupal and larval exuviae), Ontario.

*Orthocladius s.str. breviseta* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 65. CANADA.
Holotype ♂ (slide): HOLOTYPE, Loc: Stream, Marion L., B.C. (Forestry), Leg: O.A.S. & A.L.H., Det: O.A.S., Can. Nat. Coll. Type No. 9983, Slide No. B.C. 21, Orthocladius (Orthocladius) breviseta O.A. Saether.

*Orthocladius* (s.s.) *currani* Sublette, 1967, J. Kans. ent. Soc. 40(3): 315. USA.
Holotype ♂ (slides): Sta., Study Insect, Tuxedo, N.Y., 5.VII.1928/Collector, C.H. Curran/ Orthocladius (s.s.) currani Sublette, HOLOTYPE ♂/PARATYPE Camptocladius nerius Curran, CNC No. 4394/ Camptocladius PARATYPE nerius Curran ♂ No.
Remarks: The above holotype is a misidentified paratype of *Camptocladius nerius* Curran (1930, p. 34). The terminalia of the holotype are mounted on a separate microscope slide, No. 565-2.

*Orthocladius* (s.str.) *manitobensis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 69. CANADA.
Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. M.10.2, Stream below dam, L. Riviera, St. Annes, Man., 19.V.67, Leg. A.L.H., & A.W., det. O.A. Saether, Can. Nat. Coll. Type No. 9984, Orthocladius manitobensis O.A. Saether.

*Orthocladius obseptus* Webb, 1969, J. Kans. ent. Soc. 42(1): 91. CANADA.
Paratypes: 1♂, 1♀ (alcohol), Ontario, CNC No. 11941.

*Orthocladius* (s.str.) *wiensi* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 73. CANADA.
Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No., Beaver dam, Marchand, Man., 19.V.67, reared, Leg. A.L.H., A.P. Wiems, det. O.A. Saether, Can. Nat. Coll. Type No. 9985, Orthocladius wiensi O.A. Saether/118.31.
Allotype ♀ (slide, with pupal exuviae): Same data as holotype, except slide No. M.5.4, 3/4 m.NE. Marchand, Man.
Paratypes: 1♂, 1♀ (slides, with pupal exuviae), Manitoba.

*Orthocladius* (*Orthocladius*) *appersoni* Soponis, 1977, Mem. ent. Soc. Can. 102: 27. USA.
Paratypes: 3♂♂ (slides), Yukon Territory; 2♂♂ (slides), California, CNC No. 13994.

*Orthocladius* (*Orthocladius*) *charensis* Soponis, 1977, Mem. ent. Soc. Can. 102: 33. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Trap No. Tr 46-11, #108, Char Lake, Resolute

Cornwallis I., N.W.T., 23 August 1969, D.R. Oliver & P. Corbet, Can. Nat. Coll. Type No. 13995, Orthocladius (O.) charensis n.sp. A.R. Soponis.

Allotype ♀ (slide): Same data as holotype, except emerg. trap 5, 13 Aug 1970, (no collector).

Paratypes: 48♂♂, 5♀♀ (slides); 20 larvae (slides), 25 pupal exuviae, 3 larval exuviae (slides), Northwest Territories; 2♂♂, Greenland.

*Orthocladius* (*Orthocladius*) *clarkei* Soponis, 1977, Mem. ent. Soc. Can. 102: 37. CANADA.

Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No., Clarke's Farm, 4 mi. NW., Almonte, Ontario, coll. 13.V.72, em. 17.V.72, A.R. Soponis, Can. Nat. Coll. Type No. 13996, Orthocladius (O.) clarkei n. sp. A.R. Soponis/118.28.

Allotype ♀ (slide with larval and pupal exuviae): Same data as holotype, except em. 16.V.72, No. 118. 29.

Paratypes: 3♂♂, 1♀ (slides, with larval and pupal exuviae), 4♂♂, 1♀ (slides with larval exuviae), Ontario; 1♂ (slide), Illinois; 1♂ (slide), Pennsylvania.

*Orthocladius* (*Orthocladius*) *cooki* Soponis, 1977, Mem. ent. Soc. Can. 102: 41. USA.

Paratypes: 2♂♂ (slides), Minnesota; 1♂ (slide), Pennsylvania, CNC No. 19566.

*Orthocladius* (*Orthocladius*) *ferringtoni* Soponis, 1983, J. Kans. ent. Soc. 56(4): 571. USA.

Paratypes: 1♂ (slide, with pupal exuviae), 6 pupal exuviae (slide), Kansas, CNC No. 18217.

*Orthocladius* (*Orthocladius*) *hazenensis* Soponis, 1977, Mem. ent. Soc. Can. 102: 56. CANADA.

Holotype ♂ (slide): NE 215, HOLOTYPE, Slide No., Hazen Camp, Ellesmere I., N.W.T., 11.VIII.1961, D.R. Oliver, Can. Nat. Coll. Type No. 13997, Orthocladius (O.) hazenensis n.sp. A.R. Soponis.

Paratypes: 10♂♂ (slides), Northwest Territories.

*Orthocladius* (*Orthocladius*) *hellenthali* Soponis, 1977, Mem. ent. Soc. Can. 102: 57. USA.

Paratypes: 2♂♂ (slides), California; 1♂ (slide), Northwest Territories, CNC No. 13998.

*Orthocladius* (*Orthocladius*) *knuthi* Soponis, 1977, Mem. ent. Soc. Can. 102: 58. GREENLAND.

Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, Slide No., Nedre Midsommer So, Greenland, coll. 16.VII. em. 22.VII.1966, Can. Peary Land Expd. G.P. 30.222, Can. Nat. Coll. Type No. 13999, Orthocladius (O.) knuthi n.sp. det. A.R. Soponis.

Allotype ♀ pupa (slide): Same data as holotype, except slide No. GP 1-14, 23.VII.1966.

Paratypes: 3♂♂ (slides), Greenland; 2♂♂ (slides), Northwest Territories.

*Orthocladius* (*Orthocladius*) *oliveri* Soponis, 1977, Mem. ent. Soc. Can. 102: 87. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. R. Blanche, 1 mi. N. of Perkins, Quebec, 2.V.71. D.R. Oliver 70-2, Can. Nat. Coll. Type No. 14000, Orthocladius (O.) oliveri n. sp. det. A.R. Soponis/039.

Allotype ♀ (slide reared): Same data as holotype, except coll. 30.IV.1973, em. 3.V.1973.

Paratypes: 93♂♂, 7♀♀ (slides), 10 larval exuviae, 10 pupal exuviae (slides), Québec; 5♂♂, 2♀♀ (slides), 4 larval exuviae, 4 pupal exuviae (slides) 1♂, 1♀ pupa (slide), Ontario; 5♂♂ (slides) South Dakota; 5♂♂ (slides), Illinois; 1♂ (slide) Iowa.

*Orthocladius* (*Orthocladius*) *robacki* Soponis, 1977, Mem. ent. Soc. Can. 102: 92. USA.

Paratypes: 1♂ (slide, with pupal exuviae), 2 pupal exuviae (slide), Pennsylvania; 1♂ (slide), New York, CNC No. 19623.

*Orthocladius* (*Orthocladius*) *subletti* Soponis, 1977, Mem. ent. Soc. Can. 102: 95. USA.

Paratypes: 1♂ (slide), Idaho; 1♂ (slide), California, CNC No. 19624.

*Orthocladius* (*Orthocladius*) *tryoni* Soponis, 1977, Mem. ent. Soc. Can. 102: 100. USA.

Paratypes: 1♂ (slide), Minnesota; 1♂ pupa (slide), New Hampshire; 2 pupal exuviae (slide), no locality data; 1♂ (slide), Oregon; 1♂ (slide), Pennsylvania; 1♂ (slide), Manitoba (Canada), CNC No. 14001.

*Pagastia orthogonia* Oliver, 1959, Ent. Tidskr. 80(1-2): 51. USA.

Holotype ♂ (slide): HOLOTYPE, Pagastia orthogonia, On tundra, Cold Bay 163°W. Alaska, 18.VIII.52, Can. National Coll., Leg. W.R. Mason, det. D.R. Oliver/CNC No. 19627.

Paratypes: 1♂ (slide), Alaska; 1♂ (slide), Michigan.

*Parachaetocladius hirtipectus* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 100. CANADA.

Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, Slide No. B.C. 41, reared, U.B.C. Forest, Haney, B.C., 15.VII.67, Alloete [sic] river, Leg O.A.S. A.L.H., Can. Nat. Coll. Type No. 9992, Parachaetocladius hirtipectus n.sp., O.A. Saether.

*Parakiefferiella* (s.str.) *torulata* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 138. CANADA.

Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. M.2.1, reared, Depth 0.2 m. ditch, Chara bottom, Whiteshell Pk., 16.IV.-27.IV.1967, Coll. A.L. Hamilton, Can. Nat. Coll. Type No. 10003, Parakiefferiella torulata O.A. Saether/ 123.7-9.

*Paralauterborniella ostansa* Webb, 1969, J. Kans. ent. Soc. 42(1): 102. CANADA.

Paratypes: 3♂♂, 3♀♀ (alcohol), Ontario, CNC No. 11936.

*Parametriocnemus eoclivus* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 108. CANADA.

Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. DRO 15.1-6, Notch Rd. Spring, Gatineau PK., P.Q., Coll. 16.V.67, em. 21.V.67, Leg. D.R.O., R.O.M., L.A.S., Det. O.A. Saether, Can. Nat. Coll. Type No. 9996, Parametriocnemus eoclivus O.A. Saether/ 129.11.

*Parametriocnemus vespertinus* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 119. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No. A.3.1, Waterton Nat Pk., Alta., Rowe Creek, by Hwy., 21.VII.67, Leg O.A.S., A.L.H., Det. O.A. Saether, Can. Nat. Coll. Type No. 9997, Parametricnemus vespertinus O.A. Saether.

Paratype: 1♂ pupa (slide), Alberta.

***Paraphaenocladius nasthecus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 123. CANADA.

Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, Slide No. M.12.1, reared, Spruce siding, Manitoba, Ditch eastside North Forest and Sandy, Leg. A. Hamilton, Det. O. Saether, Can. Nat. Coll. Type No. 9998, Paraphaenocladius nasthecus O.A. Saether.

***Parapsectra mendli*** Reiss, 1983, Spixiana 6(1): 79. GERMANY.

Paratype: 1♂ (slide), Germany CNC No. 19630.

***Paratanypus kiefferi*** Garrett, 1925, Seventy new diptera, p. 8. CANADA.

Lectotype ♂ (pinned): Cranbrook, B.C., 21.X/ Holotype Paratanypus keifferi [sic] ♂ C. Garrett, C.B.D. Garrett/CNC Type No. 7926 Slide No. 1/Lectotype Sublette, 1963.

Paralectotypes: 4♀♀ (pinned), British Columbia.

Remarks: For lectotype designation see Sublette (1967, p. 292). The terminalia of the lectotype is mounted on microscope slide No. 1.

***Pedionomus beckae*** Sublette, 1964, Tulane Stud. Zool. 11(4): 137. USA.

Paratypes: 1♂, 1♀ (slides), Louisiana; 1♂ (slide), Florida, CNC No. 10951.

***Pelopia catemaco*** Roback, 1964, Ent. News 75(6): 141. MEXICO.

Holotype ♂ (slides): 250A, HOLOTYPE, Pelopia catemaco Roback, Lake Catemaco, Veracruz, CNC, det. s.s. Roback/Can. Nat. Coll. Type No. 10599, Pelopia catemaco Roback, HOLOTYPE.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 250A contains both antennae and 4 legs; slide No. 250B contains head, thorax and abdomen.

***Phaenopsectra (Phaenopsectra) pilicellata*** Grodhaus, 1976, J. Kans. ent. Soc. 49(3): 405. USA.

Paratype: 1♂ (slide), 8♂♂, 2♀♀ (alcohol), California, CNC No. 15098.

***Phycoidella dentolatens*** Saether, 1971, Can. Ent. 103: 1814. CANADA.

Holotype ♂ (slide, with pupal and larval exuviae): HOLOTYPE slide No. 0.83, Lake 164 E.L.A. Kenora, Date: 22.VIII.1967, Leg: A.L.H. & O.A.S., Det: O.A. Saether, Can. Nat. Coll. Type No. 9972 Phyciodella [sic] dentolatens O.A. Saether/117.23-28.

Allotype ♀ (slide, prepared from damaged pupa): Same data as holotype.

Paratype: 1 larva (slide), Ontario.

***Platysmittia bilyji*** Saether, 1984, Ent. scand. 15: 528. CANADA

Holotype ♂ (slide): HOLOTYPE, Loc. Cowan Cr., Dat. Duck Mtns., Man., Leg. 27.5.1980, Can., Slide No., CNC Type No. Platysmittia bilyji Saether/Can. Nat. Coll. Type No. 18608.

Remarks: There is a female specimen on a slide labeled as the allotype, but no allotype was listed in the original description.

***Plecopteracoluthus downesi*** Steffan, 1965, Can. Ent. 97: 1331.

Holotype ♂ (slides): HOLOTYPE, Slide No. 1-7, (no locality data) Coll. det. June 1964, A.W. Steffan, Can. Nat. Coll. Type No. 8458, Plecopteracoluthus downesi n.sp. ♂.

Paratypes: 1 larva (slide), 6 (slides) various parts of antenna and female terminalia, Quebec.

Remarks: The holotype is mounted on seven different slides.

***Plhudsonia partita*** Saether, 1982, Ent. scand. 13: 467. USA.

Paratype: 1♂ (slide), Tennessee, CNC No. 18604.

***Polypedilum (Polypedilum) ophioides*** Townes, 1945, Am. Midl. Nat. 34(1): 57. USA.

Paratypes: 1♂ (pinned), Quebec (Canada); 1♂ (pinned), Ontario (Canada), CNC No. 5668.

Remarks: The terminalia of both of the above paratypes are mounted on microscope slide Nos. IV.2.42C and IV.2.42H.

***Polypedilum (Polypedilum) vibex*** Townes, 1945, Am. Midl. Nat. 34(1): 52. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No., Ottawa, Ont., 26.VII.1924, C.H. Curran, Can. Nat. Coll. Type No. 5664, Polypedilum vibex Townes/Polypedilum vibex Type Towns [sic] Ottawa, Ont., 26.VII.1924, C.H. Curran/ TYPE Polypedilum vibex Tow., CNC No. 5664.

Paratypes: 5♂♂, 1♀ (pinned), Ontario.

***Polypedilum (Polypedilum) walleyi*** Townes, 1945, Am. Midl. Nat. 34(1): 52. CANADA.

Holotype ♂ (slide): HOLOTYPE, Slide No., Aylmer, Que., 14.VIII.1924, C.H. Curran, Can. Nat. Coll. Type No. 5665, Polypedilum walleyi Townes/Polypedilum walleyi Type Towns [sic]/Aylmer, Que., 14.VIII.1924, C.H. Curran/TYPE Polypedilum walleyi Tow., CNC No. 5665.

Paratype: 1♂ (pinned), Ontario.

***Polypedilum (Tripodura) simulans*** Townes, 1945, Am. Midl. Nat. 34(1): 43. USA.

Paratype: 1♂ (pinned), Ontario, CNC No. 5669.

Remarks: The terminalia of the above paratype is mounted on microscope slide No. IV.2.42B.

***Procladius malifero*** Garrett, 1925, Seventy new Diptera, p. 10. CANADA.

Syntypes: 4♂♂, 3♀♀ (pinned), CNC No. 7929.

"♂; Cranbrook, B.C., 20.V./Holotype Procladius melafera [sic] ♂ C. Garrett, C.B.D. Garrett".

"♀; Cranbrook, B.C., 20.V/Allotype procladius melafero [sic] ♀ C. Garrett, C.B.D. Garrett".

"3♂♂, 2♀♀; Cranbrook, B.C., 20.V./Paratype Procladius melafero [sic] C. Garrett, C.B.D. Garrett".

***Procladius (Calotanypus) maculatus*** Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 152. USA.

Paratypes: 9♀♀ (pinned), Florida; 2♀♀ (pinned), Georgia, CNC No. 10926.

***Procladius (Procladius) abetus*** Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 185. CANADA.

Holotype ♂ (slides): Wabamun, Alta., 6.VII.1931, F.H. Strickland/Holotype, Can. Nat. Coll. Type No. 13543/137A HOLOTYPE Procladius (P.) abetus Roback, Alb., det. S.S. Roback.

Allotype ♀ (slide): Same data as holotype.

Paratype: 1♀ (slide), Alberta.

Remarks: The holotype is mounted on 2 separate slides. No. 137A has the legs, head and part of the thorax; slide No. 137B contains the abdomen.

*Procladius* (*Procladius*) *clavus* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 187. CANADA.

Holotype ♂ (slides): 256A, HOLOTYPE' Procladius (P.) clavus Roback, Spence Bay, N.W.T., 22-29.VII.51, (Chillcott) CNC det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. Type No. 10590.

Allotype ♀ (slide): 279♀, ALLOTYPE, Procladius (P.) clavus Roback, Ceillini L., N.W.T., 19.VII.52, (Chillcott) CNC. det. S.S. Roback/ALLOTYPE, Can. Nat. Coll. Type No. 10590, Procladius clavus Roback.

Paratype: 1♂ (slide), 5♀♀ (alcohol), Northwest Territories.

Remarks: The holotype is mounted on 2 separate slides. No. 256A contains the legs, antennae and abdomen; slide No. 256B contains the head and thorax. Most of the adult allotype is stored in alcohol.

*Procladius* (*Procladius*) *curtus* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 181. USA.

Holotype ♂ (slides): 201A, HOLOTYPE, Procladius (P.) curtus Roback, Elfers, Fla., 16.VI.52, (J.R. Vockeroth), CNC det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. Type No. 10594.

Allotype ♀ (slides): Same data as holotype.

Paratypes: 13♀♀ (pinned), Florida.

Remarks: The holotype is mounted on 2 separate slides. No. 201A contains the antennae, wing, leg and abdomen; slide No. 201D contains wing, legs and thorax. The allotype is mounted on 2 separate slides. No. 201B contains the head, 3 legs and wing; slide No. 201C contains the abdomen, thorax and 2 legs.

*Procladius* (*Procladius*) *dentus* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 186. CANADA.

Holotype ♂ (slides): 253A, HOLOTYPE, Procladius (P.) dentus Roback, Ft. Churchill, Man., 12.VIII.52, (Chillcott) CNC, det. S.S. Roback/Can. Nat. Coll. Type No. 10595 Procladius dentus Roback, Holotype.

Allotype ♀ (alcohol): Same data as holotype.

Paratypes: 1♀ (slide with pupal exuviae), 1♂, 1♀ (alcohol), 1♂, 1♀ (alcohol with pupal exuviae), Quebec; 1♂ (slide), 1♂, 4♀♀ (alcohol), Manitoba; 1♂ (slide); (remainder of specimen in alcohol), Saskatchewan; 1♂ (slides), 3♂♂, 3♀♀ (alcohol) Northwest Territories; 2♂♂ (slides), 1♂, 8♀♀ (pinned), Alaska.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 253A contains head, antennae, 4 legs and abdomen. On slide No. 253B, the mounting medium has darkened to the point where it is impossible to see what is mounted on slide.

*Procladius* (*Procladius*) *desis* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 178. USA.

Paratype: 1♂ (slides), Northwest Territories, CNC No. 19628.

*Procladius* (*Procladius*) *gretis* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 184. CANADA.

Holotype ♂ (slides): 258A, HOLOTYPE' Procladius (P.) gretis Roback, Nettilling Lake, N.W.T., 8.VIII.56, CNC det. S.S. Roback/Can. Nat. Coll. Type No. 10596, Procladius gretis Roback, HOLOTYPE.

Allotype ♀ (slide): Same data as holotype.

Paratype: 1♀ (alcohol), Northwest Territories.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 258A contains both wings, 4 legs and the abdomen; slide No. 258B contains the head and thorax. The left wing, thorax and abdomen of the allotype are stored in alcohol.

*Procladius* (*Procladius*) *paragretis* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 185. GREENLAND.

Holotype ♂ (slides): 261A, HOLOTYPE, Procladius (P.) paragretis Roback, Sandstrom [sic] Air Base, Greenland, VII.2.52, (W.J. Brown) CNC, det. S.S. Roback/HOLOTYPE/ Can. Nat. Coll. Type No. 10592.

Allotype ♀ (slide): Same data as holotype.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 261A contains 3 legs, 1 wing and the abdomen; slide No. 261B contains head and thorax; the remaining 3 legs are stored in alcohol. The right wing, right 3 legs, thorax, and abdomen of the allotype are stored in alcohol.

*Procladius* (*Procladius*) *prolongatus* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 188. CANADA.

Holotype ♂ (slides): 256-1 A, HOLOTYPE, Procladius (P.) prolongatus Roback, Spence Bay, 22-29.VII.51, (Chillcott) CNC det. S.S. Roback/HOLOTYPE' Slide No., 266-1A, Spence Bay, 22-29.VII.51, Chillcott, Can. Nat. Coll. Type No. 10591, Procladius prolongatus Roback.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 256-1A contains the abdomen; slide No. 256-1B contains 3 legs, 1 wing, both antennae, the head, and thorax; the remaining 3 legs are stored in alcohol.

*Procladius* (*Procladius*) *ruris* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 182. CANADA.

Holotype ♂ (pinned): Elkwater, Alta., 49°42' 110°16', 2.VI.1955, J.R. Vockeroth/SLIDE No. 197a/TYPE procladius (P.) rurus Roback/CNC No. 10597 HOLOTYPE.

Allotype ♀ (slides): Same data as holotype.

Paratypes: 15♂♂, 43♀♀ (pinned), 1♂ (slide), Alberta; 2♀♀ (pinned), 1♂ (slide), Saskatchewan; 1♂, 1♀ (pinned) Ontario.

Remarks: The holotype has its abdomen and terminalia mounted on microscope slide No. 197A. There are 2 additional slides labeled as paratypes but they are from localities not mentioned in the original description.

*Procladius* (*Procladius*) *vesus* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 181. CANADA.

Holotype ♂ (slides): 280A, HOLOTYPE, Procladius (P.) vesus Roback, Muskox Lake, N.W.T., 25.VII.53, (Chillcott) CNC det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. Type No. 10598.

Allotype ♀ (slide): Same data as holotype.

Paratypes: 2♀♀ (alcohol), Northwest Territories.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 280A contains 3 legs, 1 antennae and the abdomen. On slide No. 280B, the mounting medium has darkened, making it difficult to see what is mounted on it. The left wing, 2 left legs, and abdomen of the allotype are stored in alcohol.

*Procladius* (*Psilotanypus*) *nietus* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 168. CANADA.
Holotype ♂ (pinned): Atlin, B.C., 2200', 9.VI.1955, H. Huckel/yellow label/Slide No. 194/TYPE Procladius (Ps.) nietus Roback/CNC No. 10593 HOLOTYPE.
Remarks: The abdomen and terminalia of the holotype are mounted on microscope slide No. 194.

*Prodiamesa cubita* Garrett, 1925, Seventy new Diptera, p. 7. CANADA.
Holotype ♂ (pinned): Fernie, B.C., 12.VI/Coal Creek/Monotype Prodiamesa cubita ♂ C. Garrett, C.B.D. Garrett/CNC Type No. 7921, Slide No. 1.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 1.

*Prodiamesa lutosopra* Garrett, 1925, Seventy new Diptera, p. 7. CANADA.
Holotype ♀ (slide): Cranbrook, B.C., 24.V./MONOTYPE Prodiamesa lutosopra ♀ C. Garrett, C.B.D. Garrett/7230/= Odontomesa lutosopra (Garrett)/CNC No. 7920.

*Prodiamesa pertinax* Garrett, 1925, Seventy new Diptera, p. 6. CANADA.
Lectotype ♀ (pinned): Cranbrook, B.C., 6.IV./2535/Holotype Prodiamesa pertinax ♂ C. Garrett, C.B.D. Garrett/CNC Type no. 7918, Slide No. 1/Lectotype Sublette, 1963.
Paralectotypes: 6♀♀ (pinned), 1♀ wing, 1♀ palpi (slide No. 5613), 1♀ wing, 1♀ antennae, 1♀ palpi (slide No. 5625), British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 301). The terminalia of the lectotype are mounted on microscope slide No. 1.

*Prodiamesa sequax* Garrett, 1925, Seventy new Diptera, p. 7. CANADA.
Lectotype ♂ (slide): Prodiamesa sequax Garrett, CNC Type no. 7919, ♀ genitalia, Slide no. 1, Lectotype J.E.S[ublette] 1963.
Remarks: For lectotype designation see Sublette (1967, p. 305).

*Protanypus hamiltoni* Saether, 1975, J. Fish. Res. Bd Can. 32(3): 375. CANADA.
Holotype ♂: HOLOTYPE, Slide No. 18.V.1965, Dock, Halifax narrows, Babine Lake B.C., Leg. A.L. Hamilton, Can. Nat. Coll. Type No. 13402, Protanypus hamiltoni O.A. Saether/D25.
Paratypes: 1♂ (slide), 4 pupal exuviae (slides), 2 larvae (slide), British Columbia.

*Protanypus ramosus* Saether, 1975, J. Fish. Res. Bd Can. 32(3): 368. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. 1.X.68, ELA, Kenora, Ont., L. 122, Stn. 6, Leg. P. Chang, Can. Nat. Coll. Type No. 13403, Protanyhpus ramosus O.A. Saether/D24.
Remarks: There are 2 slides labeled as paratypes but these are listed under other material in the original description.

*Protanypus saetheri* Wiederholm, 1975, Ent. scand. 6(3-4): 224. USA.
Paratype: 1♂ (slide), Alaska, CNC No. 15200.

*Psectrocladius* (s.str.) *semicirculatus* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 79. CANADA.
Remarks: There is a slide in the CNC labeled as the holotype; however, the data on the slide, "HOLOTYPE, Slide No. 0.10.3, Kenora, Ont., Lake M. 6-7 Mando Rd., 23.VIII.67, Leg. A.L.H., O.A.S., Can. Nat. Coll. type No. 9987, Psectrocladius semicirculatus O.A. Saether", does not agree fully with that of the original description.

*Pseudochironomus articaudus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 81. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. 50Q, McBeth Harbour, L.T., L. Winnipeg, Manitoba, Leg. S.S. Chang, 30.VII.69, Can. Nat. Coll. Type No. 15019, Pseudochironomus articaudus O.A. Saether.
Paratypes: 3♂♂, Manitoba.

*Pseudochironomus badius* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 69. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. 46 BBB, L. Wpg. L.T. 6.5 mi off Sturgeonskin Pt., Long Pt., L. Winnipeg, Manitoba, Leg. S.S. Chang, 14.VII.1969, Can. Nat. Coll. Type No. 15018, Pseudochironomus badius O.A. Saether.
Paratypes: 4♂♂, Manitoba.

*Pseudochironomus richardsoni* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 500. USA.
Paralectotypes: 1♂, 1♀ (pinned), Illinois, CNC No. 2710.
Remarks: For lectotype designation see Frison (1927, p. 176).

*Pseudorthocladius dumicaudus* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 126. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No., Marion Lake, B.C., at hut, 30.VI.65, Coll. A.L. Hamilton, Can. Nat. Coll. Type No. 9999, Pseudorthocladius dumicaudus O.A. Saether.

*Pseudorthocladius* (*Pseudorthocladius*) *virgatus* Saether & Sublette, 1983, Ent. scand. Suppl. 20: 81. USA.
Paratypes: 2♂♂ (slides), South Carolina, CNC No. 18595.

*Pseudosmittia digitata* Saether, 1981, Ent. scand. Suppl. 16: 25. ST. LUCIA, BRITISH WEST INDIES.
Paratypes: 2♂♂ (slides), St. Vincent, British West Indies, CNC No. 16754.

*Pseudosmittia setavena* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 144. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. B.C. 1.1, Stream near Field, B.C., road to Takkakaw Falls, 12.VII.67, Det. O.A. Saether, Coll. A.L.H., O.A.S., Can. Nat. Coll. Type No. 10004, Pseudosmittia setavena O.A. Saether.

*Psilometriocnemus cristatus* Saether, 1982, Ent. scand. 13: 480. USA.
Paratypes: 3♂♂ (slides), South Carolina, CNC No. 18597.

***Psilometriocnemus triannulatus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 107. USA.
Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, Slide No. D.R.O. 40.45, Monroe Brook, Mt. Washington, N.H., Coll. 13.VI.67, Emg. no rec., Leg. D.R.O., Can. Nat. Coll. Type No. 9995, Psilometriocnemus triannulatus O.A. Saether.

***Rheocricotopus eminellobus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 85. CANADA.
Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, Slide No. A.3.1, Waterton National Pk., Alta., Rowe creek by Hwy., 21.VII.67, Det. O. Saether, Leg. A. Hamilton, O.A.S., Can. Nat. Coll. Type No. 9988, Rheocricotopus eminellobus O.A. Saether.
Allotype ♀ (slide, with pupal exuviae): Same data as holotype except no Rowe creek by Hwy.
Paratypes: 1♀ with pupal exuviae (slide), 4♀♀ (slides), Alberta.

***Rheocricotopus godavarius*** Lehmann, 1969, Arch. Hydrobiol. 66(3): 361. NEPAL.
Holotype ♂ (slide): HOLOTYPE, Slide No., Rheocricotopus godavarius Lehmann, Can. Nat. Coll. Type No. 11459, Godavari, 5000' Nepal, leg. Can. Nepal Exp./Holotypus.

***Rheocricotopus kenorensis*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 88. CANADA.
Holotype ♂ (slide): HOLOTYPE, Slide No. 0.7.1, Kenora, Ont., stream M 18, Mando log road, 22.VIII.67, Det. O. Saether, Leg. O. Saether, A. Hamilton, Can. Nat. Coll. Type No. 9989, Rheocricotopus kenorensis O.A. Saether.
Paratype: 1♂ (slide), Ontario.

***Rheocricotopus nepalensis*** Lehmann, 1969, Arch. Hydrobiol. 66(3): 362. NEPAL.
Holotype ♂ (slide): HOLOTYPE, Slide No. Rheocricotopus nepalensis, Lehmann, Can. Nat. Coll. Type No. 11460, 13-19.V.67, Nepal, 27°57'N. 84°59'E., Leg. Can. Nepal Exp./Holotypus.

***Rheocricotopus pauciseta*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 89. CANADA.
Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. B.C. 2.1 (3), reared U.B.C. Forestry Farm, Haney, B.C., stream, Marion L., leg. O.A. Saether, A. Hamilton, 15.VII.67, Det. O. Saether, Can. Nat. Coll. Type No. 9990, Rheocricotopus pauciseta O.A. Saether.
Paratypes: 2♂♂ (slides), Alberta; 1 pupa with larval exuviae, British Columbia.

***Rheocricotopus (Rheocricotopus) amplicristatus*** Saether, 1985, Spixiana 11: 95. USA.
Paratype: 1♂ (slide), South Carolina, CNC No. 18606.

***Rheocricotopus (Rheocricotopus) effusoides*** Saether, 1985, Spixiana 11: 98. USA.
Paratype: 1♂ (slide), South Dakota, CNC No. 18605.

***Smittia windwardensis*** Saether, 1981, Ent. scand. Suppl. 16: 23. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 1♂ (slide), St. Vincent; 1♂ (slide), St. Lucia, CNC No. 16752.

***Stenochironomus albicoxa*** Freeman, 1957, Bull. Br. Mus. nat. Hist. (Ent.) 5(9): 414. BELGIAN CONGO.
Paratype: 1♀ (slide), Gold Coast, CNC No. 17901.

***Stenochironomus anomalis*** Freeman, 1961, Aust. J. Zool. 9(4): 706. AUSTRALIA.
Paratype: 1♂ (slide), Tasmania, CNC No. 17900.

***Stenochironomus browni*** Townes, 1945, Am. Midl. Nat. 34(1): 86. USA.
Paratypes: 2♂♂, 2♀♀ (slides), Florida, CNC No. 19632.

***Stenochironomus koreanus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 126. NORTH KOREA.
Paratypes: 2♂♂ (pinned), 1♂ (slide), North Korea, CNC No. 17767.

***Stenochironomus niger*** Borkent, 1984, Mem. ent. Soc. Can. 128: 57. USA.
Holotype ♂ (slide, with associated pupal exuviae mounted on a separate microscope slide): Stenochironomus niger Borkent, CNC No. 17747, HOLOTYPE, Loc: Oak Creek Canyon, Sedona Arizona, Date: 15.IV.1981, Det: A. Borkent, Coll: A. Borkent CH9212-R28.VII.81.
Allotype ♀ (slide, with associated pupal exuviae mounted on a separate microscope slide): Same data as holotype, except CH9212-R-17-19.V.81.
Paratypes: 1♀ (slide), 1 pupal exuviae, 4 larval exuviae (slides), 1 pupal exuviae (alcohol), Arizona.

***Stenochironomus nubilipennis*** Yamamoto, 1981, Bull. Kitakyushu Mus. nat. Hist. 3: 42. JAPAN
Paratypes: 1♂ (pinned), 1♂, 1♀ (slides), Japan, CNC No. 19634.

***Stenochironomus palliaculeatus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 130. BRAZIL.
Paratype: 1♂ (slide), Colombia, CNC No. 17770.

***Stenochironomus reissi*** Borkent, 1984, Mem. ent. Soc. Can. 128: 128. BRAZIL.
Paratype: 1♂ (slide), Brazil, CNC No. 17768.

***Stenochironomus varius*** Borkent, 1984, Mem. ent. Soc. Can. 128: 130. VENEZUELA.
Holotype ♂ (slide): Stenochironomus varius Borkent, CNC No. 17771, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 M., Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 29♀♀ (pinned), 1♂, 5♀♀ (slides), Venezuela.

***Stenochironomus watsoni*** Freeman, 1961, Aust. J. Zool. 9(4): 705. AUSTRALIA.
Paratype: 1♂ (slide), Australia, CNC No. 17889.

***Stenochironomus (Petalopholeus) bacrionis*** Borkent, 1984, Mem. ent. Soc. Can. 128: 105. ECUADOR.
Holotype ♂ (slides with larval and pupal exuviae each on separate microscope slides): Stenochironomus bacrionis Borkent, CNC 17758, Loc: ECUADOR, 5 km N. Tena, Date: 13.11.1982, Det: A. Borkent, Coll: Borkent & Wood/HOLOTYPE.
Paratypes: 1♂ (slide), 1 pupal exuviae (slide), 1 larval exuviae (slide), Ecuador.

***Stenochironomus (Petalopholeus) gladius*** Borkent, 1984, Mem. ent. Soc. Can. 128: 108. COSTA RICA.

Holotype ♂ (slides with associated larval and pupal exuviae mounted on separate microscope slides): Stenochironomus gladius Borkent, CNC No. 17760, HOLOTYPE, Loc: Pto. Viejo-La Selva, Heredia, Costa Rica, Date: 20.11.80, Coll: D.M. Wood, Det: CH9089-R-14.III.80/HOLOTYPE.

Paratypes: 4♂♂ (slides), 3 pupal exuviae, 2 larval exuviae (slides), 1 pupal exuviae (alcohol), Costa Rica.

***Stenochironomus (Petalopholeus) impendens*** Borkent, 1984, Mem. ent. Soc. Can. 128: 97. BRAZIL.

Paratype: 1♂ (slide), no locality data, CNC No. 17755.

***Stenochironomus (Petalopholeus) jubatus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 116. BRAZIL.

Paratype: 1♀ (slide), Brazil, CNC No. 17765.

***Stenochironomus (Petalopholeus) nudipupa*** Borkent, 1984, Mem. ent. Soc. Can. 128: 117. COSTA RICA.

Holotype ♂ (slide): Stenochironomus nudipupa Borkent, CNC No. 17766, Holotype, Loc: Pto. Viejo-La Selva, Heredia, Costa Rica, Date: 20.II.1980, Coll: D.M. Wood, Det: CH 9089-R-14.III.80/HOLOTYPE.

Allotype ♀ (slide): Same data as holotype except CH 9089.

Paratypes: 6♂♂, 1♀ (slides), 8 larval exuviae, 10 pupal exuviae (slides), 39♂♂ (pinned), 25 pupal and larval exuviae (alcohol), Costa Rica; 1♂ (slide), Venezuela; 3♂♂, 3♀♀ (slides), 4 larval exuviae, 5 pupal exuviae (slides), 124♂♂, 84♀♀ (alcohol), 98 pupal exuviae (alcohol), 65♂♂, 40♀♀ (pinned), Ecuador.

Remarks: The collection date on the label of the holotype is 20.II.1980, not 20.IX.1980 as published in the original description.

***Stenochironomus (Petalopholeus) pectinatus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 106. BRAZIL.

Paratypes: 6♂♂, 6♀♀ (pinned), 2♂♂, 1♀ (slides), Brazil, CNC No. 17759.

***Stenochironomus (Petalopholeus) quadrinotatus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 114. COSTA RICA.

Holotype ♂ (slide): Stenochironomus quadrinotatus Borkent, CNC No. 17764, HOLOTYPE, Loc: Pto. Viejo - La Selva, Heredia, Costa Rica, Date: 20.II.1980, Coll: D.M. Wood, Det: CH 9089/HOLOTYPE.

Allotype ♀ (slide): Same data as holotype except CH 9089-R-14.III.80.

Paratypes: 7♂♂, 2♀♀ (slides), 9 larval exuviae, 8 pupal exuviae (slides), 16♂♂ (pinned), Costa Rica; 2♂♂, 2♀♀ (slides), 3 larval exuviae, 3 pupal exuviae (slides), Ecuador.

Remarks: The date of collection of the holotype is 20.II.1980, not 20.IX.1980 as published in the original description.

***Stenochironomus (Petalopholeus) townesi*** Borkent, 1984, Mem. ent. Soc. Can. 128: 98. VENEZUELA.

Holotype ♂ (slide): Stenochironomus townesi Borkent, CNC No. 17756, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 M. Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.

***Stenochironomus (Petalopholeus) triannulatus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 113. BRAZIL.

Paratypes: 1♂, 1♀ (slides), Brazil, CNC No. 17763.

***Stenochironomus (Petalopholeus) vatius*** Borkent, 1984, Mem. ent. Soc. Can. 128: 111. BRAZIL.

Paratype: 1♂ (slide), Brazil, CNC No. 17762.

***Stenochironomus (Stenochironomus) albipalpus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 66. USA.

Holotype ♂ (slide): Stenochironomus albipalpus Borkent, CNC No. 17751, Holotype, Loc: 3 mi. S. Rockville, Maryland, Date: 21.III.1980, Coll: D.M. Wood, Det. CH 9095-R-22.IV.1980/HOLOTYPE.

Allotype ♀ (slide): Same data as holotype.

Paratypes: 7♂♂, 2♀♀ (slides), 10 larvae (slides), 10 pupal exuviae (slides), 3 larvae, 6 pupal exuviae (alcohol), 11♂♂, 2♀♀ (pinned), Maryland.

***Stenochironomus (Stenochironomus) annettae*** Borkent, 1984, Mem. ent. Soc. Can. 128: 54. USA.

Holotype ♂ (slide): Stenochironomus annettae Borkent, CNC No. 17745 Holotype, Loc: San Felipe Springs, Del Rio, Texas, Date: 1.IV.1981, Det: Coll: A. Borkent, CH 9205-R-17-19.V.81/HOLOTYPE.

Allotype ♀ (slide): Same data as holotype except CH 9212-R-4.VI.81.

Paratypes: 4♂♂, 1♀ (slides), 7 pupal exuviae, 2 larval exuviae (slides), 4 pupal exuviae (alcohol), 3♂♂ (pinned), Texas.

***Stenochironomus (Stenochironomus) balteatus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 77. JAPAN.

Paratypes: 1♂, 1♀ (slides), Japan, CNC No. 17753.

***Stenochironomus (Stenochironomus) bisetosus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 61. USA.

Holotype ♂ (slide): Stenochironomus bisetosus Borkent, CNC No. 17748, Holotype Loc: Oak Creek Canyon, Sedona, Arizona, Date: 15.IV.1981, Det: Coll: A. Borkent, CH 9212-R-16.VI.81/HOLOTYPE.

Allotype ♀ (slide): Same data as holotype except CH 9212-R-24-25.V.81.

Paratypes: 3♂♂, 7♀♀ (slides), 16 larvae, 5 larval exuviae (slides), 13 pupal exuviae (slides), 3 pupae, 17 pupal exuviae (alcohol), 1♂, 15♀♀ (pinned), Arizona.

Remarks: The slides containing the larval and pupal exuviae of the holotype and allotype are not present in the CNC slide collection at this time.

***Stenochironomus (Stenochironomus) crusanticus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 56. ECUADOR.

Holotype ♂ (slides with pupal exuviae mounted on a separate microscope slide): Stenochironomus crusanticus Borkent, CNC No. 17746, Loc: ECUADOR, 5 km. N. Tena, Date: 13.II.1982, Det: A. Borkent, Coll: Borkent & Wood/HOLOTYPE.

Allotype ♀ (slides with larval and pupal exuviae mounted on separate microscope slides): Same data as holotype.

Paratypes: 1♂, 2♀♀ (slides), 2 pupal exuviae (slides), Ecuador.

***Stenochironomus* (*Stenochironomus*) *discus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 98. VENEZUELA.
Holotype ♂ (slide): Stenochironomus discus Borkent, HOLOTYPE, CNC No. 17757, Yacambu Nat. Pk., Lara, Venezuela, 1200 m, 10.V.1981, Coll. H. Townes, malaise trap/ HOLOTYPE.

***Stenochironomus* (*Stenochironomus*) *fuscipatellus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 64. CANADA.
Holotype ♂ (slide): Stenochironomus fuscipatellus Borkent, CNC No. 17750, HOLOTYPE, Loc: Silver Lake, B.C., 8 km S. Hope, Date: 21.VII.1980, Coll: A. Borkent, Det: CH 9165-R-29.VII.80/ HOLOTYPE.
Allotype ♀ (slide): Same data as holotype except CH 9165.
Paratypes: 11♂♂, 7♀♀ (slides), 10 larvae, 2 larval exuviae, 22 pupal exuviae (alcohol), 5 pupal exuviae (slides), 11♂♂, 14♀♀ (pinned), British Columbia; 6♂♂ (slides), 5 larvae, 7 pupal exuviae (slides), 1♂, 1♀ (alcohol), 22 pupal exuviae (alcohol) 17♂♂, 2♀♀ (pinned), Oregon (USA).
Remarks: The slides containing the larval and pupal exuviae of the holotype and allotype are not present in the CNC slide collection at this time.

***Stenochironomus* (*Stenochironomus*) *maculatus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 52. USA.
Holotype ♂ (slide): Stenochironomus maculatus Borkent, CNC No. 17744, Holotype, Loc: Black River at Hwy. 258, Eddy Co., New Mexico, Date: 2.IV.1981, Det: Coll: A. Borkent, CH 9206-R-27.V.81/HOLOTYPE.
Allotype ♀ (slide): Same data as holotype except CH 9206-R-2.VI.81.
Paratypes: 3♂♂, 1♀ (slides), 2♂♂, 2♀♀ (pinned), 6 larvae (slides), 11 pupal exuviae (slides), 2 larvae, 1 pupae, 2 pupal exuviae (alcohol), New Mexico; 2♀♀ (slides), 4 larvae (slides), 3 pupal exuviae (slide), 7♂♂, 34♀♀ (pinned), 16 larvae (alcohol), 25 pupal exuviae (alcohol) Texas.
Remarks: The slides containing the larval and pupal exuviae of the holotype and allotype are not present in the CNC slide collection at this time.

***Stenochironomus* (*Stenochironomus*) *pannus*** Borkent, 1984, Mem. ent. Soc. Can. 128: 76. JAPAN.
Paratype: 1♂ (slide), Japan, CNC No. 17752.

***Stenochironomus* (*Stenochironomus*) *woodi*** Borkent, 1984, Mem. ent. Soc. Can. 128: 91. CANADA.
Holotype ♂ (slide): Stenochironomus woodi Borkent, HOLOTYPE, CNC No. 17754, Loc: St. Hippolyte, P. Que., Univ. Mont. Field Sta., Date: 2.VI.1973, Coll: L. Cloutier, Det: CH/HOLOTYPE.
Allotype ♀ (slide): Same data as holotype except 9.VI.1973.
Paratypes: 1♂ (slide), Newfoundland; 2♂♂, 3♀♀ (slides), New Brunswick; 1♂ (pinned), Nova Scotia; 5♂♂, 5♀♀ (slides), 4♂♂ (alcohol), 27♂♂, 3♀♀ (pinned), Quebec.

***Stempellina leptocelloides*** Webb, 1969, J. Kans. ent. Soc. 42(1): 94. CANADA.
Paratypes: 1♂, 2♀♀ (alcohol), Ontario, CNC No. 11938.

***Stempellina ranota*** Webb, 1969, J. Kans. ent. Soc. 42(1): 96. CANADA.
Paratypes: 1♂, 1♀ (alcohol), Ontario, CNC No. 11939.

***Stempellina rodesta*** Webb, 1969, J. Kans. ent. Soc. 42(1): 95. CANADA.
Paratypes: 1♂, 1♀ (alcohol), Ontario, CNC No. 11940.

***Stilocladius clinopecten*** Saether, 1982, Ent. scand. 13: 494. USA.
Paratype: 1♂ (slide), South Carolina, CNC No. 18598.

***Syncricotopus fontinalis*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 77. CANADA.
Holotype ♂ (slide): HOLOTYPE Slide No. Spring at the bog, The Pas Man., 5.VII.67., Leg. O.A.S., A.L.H., Det. O.A. Saether, Can. Nat. Coll. Type No. 9986, Syncricotopus fontinalis O.A. Saether/044.

***Tanypus abrupta*** Garrett, 1925, Seventy new Diptera p. 8. CANADA.
Holotype ♀ (pinned): Fort Steele, B.C., 17.VIII./ Holotype Tanypus abrupta ♀ C. Garrett, C.B.D. Garrett/CNC No. 7924.

***Tanypus alaskensis*** Malloch, 1919, Report of the Canadian Arctic Expedition, 1913-18, Pt. C. 3: 35. USA.
Syntypes: 1♂ (slide), 4♂♂ (pinned), CNC No. 242.
"♂; (slide) W. of Kangengevik, Camden Bay, Alaska, July 14/Canadian Arctic Expedition, F.J., 1914/TYPE Tanypus alaskensis Mall., CNC No. 242".
"4♂♂; (pinned) W. of Kangengevik, Camden Bay, Alaska, July 4/Canadian Arctic Expedition F.J., 1914/PARATYPE Tanypus alaskensis Mall., No. 242".

***Tanypus apicalis*** Walley, 1926, Can. Ent. 58: 64. CANADA.
Holotype ♀ (pinned): Aylmer, Que., 31.VII.1924, C.H. Curran/HOLOTYPE Tanypus apicalis Walley, CNC No. 1748.
Paratype: 1♀ (pinned), Quebec; 1♀ (pinned), Ontario.

***Tanypus arcuata*** Garrett, 1925, Seventy new Diptera, p. 7. CANADA.
Syntypes: 3♀♀ (pinned), CNC No. 7922.
"1♀, Cranbrook, B.C. 12.V/Holotype Tanypus arcuata ♀ C. Garrett, C.B.D. Garrett".
"2♀♀, Cranbrook, B.C., 12.V. and 10.V./Paratype Tanypus arcuata ♀ C. Garrett, C.B.D. Garrett".

***Tanypus basalis*** Walley, 1925, Can. Ent. 57: 273. CANADA.
Holotype ♂ (pinned): Ottawa, Ont., 26.VII.1924, C.H. Curran/SLIDE Chir. No. 16/ HOLOTYPE Tanypus basalis Walley, CNC No. 1449.
Paratype: 1♂ (pinned), Quebec.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 16.

***Tanypus bifida*** Garrett, 1925, Seventy new Diptera, p. 8. CANADA.
Syntypes: 3♀♀ (pinned), CNC No. 7925.
"1♀, Cranbrook, B.C., 25.VI./Holotype Tanypus bifida ♀ C. Garrett, C.B.D. Garrett".
"1♀, Cranbrook, B.C., 25.VI./Paratype Tanypus bifida ♀ C. Garrett, C.B.D. Garrett".

"1♀, Cranbrook, B.C. 25.VI.21/C. Garrett, Collector/5190/Paratype Tanypus bifida ♀ C. Garrett, C.B.D. Garrett".

*Tanypus cornuticaudatus* Walley, 1925, Can. Ent. 57: 277. CANADA.
Holotype ♂ (pinned): O. Golf Club, Que., 31.VII.1924, G.S. Walley/Holotype Tanypus cornuticaudatus Walley, CNC No. 1454.
Allotype ♀ (pinned): Ottawa, Ont., 26.VII.1924, C.H. Curran/ALLOTYPE Tanypus cornuticaudatus Walley, CNC No. 1454.
Paratypes: 1♀ (pinned), Quebec; 10♂♂, 6♀♀ (pinned), Ontario.

*Tanypus currani* Walley, 1925, Can. Ent. 57: 276. CANADA.
Holotype ♂ (pinned): Aylmer, Que., 8.VIII.1924, C.H. Curran/SLIDE Chir. No. 12/ HOLOTYPE Tanypus currani Walley, CNC No. 1452.
Allotype ♀ (pinned): Same data as holotype.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 12.

*Tanypus fragilis* Walley, 1926, Can. Ent. 58: 205. CANADA.
Holotype ♂ (pinned): Ingersoll, Ont., 8.IX.1924, F.G. Walley/HOLOTYPE Tanypus fragilis Walley, CNC No. 2201.
Remarks: The terminalia of the holotype is mounted on a microscope slide.

*Tanypus garretti* Walley, 1925, Can. Ent. 57: 275. CANADA.
Holotype ♂ (pinned): Oliver, B.C., 26.IV.1923, C.B. Garrett/SLIDE Chir. No. 7/ HOLOTYPE Tanypus garretti Walley, CNC No. 1450.
Remarks: The terminalia of the holotype is mounted on microscope slide No. 7.

*Tanypus idei* Walley, 1925, Can. Ent. 57: 272. CANADA.
Holotype ♂ (slide): Ottawa, Ont., 1.VIII.1924, F.P. Ide/HOLOTYPE ♂ Tanypus idei Walley, CNC No. 1447/Lab. No. Tanypus idei Walley, Chir 4, Date, Entomological Branch Ottawa, Canada, Type No. 1447.
Remarks: One leg of holotype is mounted on a separate slide, labeled Leg ♂ Holotype T. idei Walley Chir. 4.

*Tanypus illinoensis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 376. USA.
Paralectotypes: 1♂, 1♀ (pinned) (no locality data only Nos. 13721, 13819), CNC No. 1540.
Remarks: For lectotype designation see Frison (1927, p. 177).

*Tanypus inconspicuus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 371. USA.
Paralectotypes: 1♂, 1♀ (pinned), Illinois, CNC No. 1541.
Remarks: For lectotype designation see Frison (1927, p. 177).

*Tanypus mallochi* Walley, 1925, Can. Ent. 57: 273. CANADA.
Holotype ♂ (pinned): Ottawa, Ont., 31.VII.1924, C.H. Curran/SLIDE Chir. No. 3/HOLOTYPE Tanypus mallochi Walley, CNC No. 1448.
Allotype ♀ (pinned): Same data as holotype.
Paratypes: 3♂♂, 5♀♀ (pinned), Quebec; 5♂♂, 4♀♀ (pinned), Ontario.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 3.

*Tanypus okoboji* Walley, 1928, Ann. ent. Soc. Am. 21: 582. USA.
Holotype ♂ (slide): HOLOTYPE, Slide No., L. Okoboji, Iowa, 18.V.28, G.S. Walley, Can. Nat. Coll. Type No. 2869, Tanypus okoboji Walley.

*Tanypus peleensis* Walley, 1926, Can. Ent. 58: 64. CANADA.
Holotype ♂ (pinned): Pt. Pelee, Ont., 10.VI.1925, G.S. Walley/Holotype Tanypus peleensis Walley, CNC No. 1749.
Allotype ♀ (pinned): Same data as holotype.
Paratypes: 45♂♂, 5♀♀ (pinned), 1♂ (slide), Ontario.

*Tanypus pilicaudatus* Walley, 1925, Can. Ent. 57: 277. CANADA.
Holotype ♂ (pinned): Ottawa, Ont., 1.VIII.1924, F.P. Ide/HOLOTYPE Tanypus pilicaudatus Walley, CNC No. 1455.
Paratypes: 3♂♂ (pinned), Ontario.

*Tanypus prudens* Walley, 1925, Can. Ent. 57: 275. CANADA.
Holotype ♂ (pinned): H.A. Robertson, Delta, Man., 3.VII.1921/SLIDE Chir No. 2/ HOLOTYPE Tanypus prudens Walley, CNC No. 1451.
Allotype ♀: (pinned): Aweme, Man., H.A. Robertson, 14.VI.1923/ALLOTYPE Tanypus prudens Walley, CNC No. 1451.
Paratypes: 2♂♂ (pinned), Quebec.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 2.

*Tanypus scapularis* Loew, 1866, Berl. ent. Z. 10: 2. USA.
Syntype: 1♀ (pinned) CNC No. 2139.
"1♀", (No locality data), PARATYPE Tanypus scapularis Loew, CNC No. 2139/Loew Coll./(red label) 10373/(white label) TYPE.

*Tanypus senatus* Walley, 1925, Can. Ent. 57: 276. CANADA.
Holotype ♂ (slides): Lab. No., Tanypus senatus Walley, Chir 11 Date Entomological Branch Ottawa, Canada/TYPE CNC No. 1453 (no locality label).
Remarks: The holotype is mounted on 2 separate slides. One slide contains the legs; the other contains the terminalia. The number for this species in the CNC Type No. book is 1453, not 1452 as published in the original description.

*Tanypus trifolia* Garrett, 1925, Seventy new Diptera, p. 7. CANADA.
Holotype ♀ (pinned): Cranbrook, B.C., 7.VI.21/ C. Garrett, Collector/Holotype Tanypus trifolia ♀ C. Garrett, C.B.D. Garrett/ 5196/CNC No. 7923.
Remarks: The abdomen is missing from the holotype.

*Tanytarsus confusus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 490. USA.
Paralectotype: 1♀ (pinned), Illinois, CNC No. 2697.
Remarks: For lectotype designation see Frison (1927, p. 178).

*Tanytarsus dubius* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 496. USA.
Paralectotypes: 1♂, 1♀ (pinned), Illinois, CNC No. 2696.

Remarks: For lectotype designation see Frison (1927, p. 178). The terminalia of the above male paralectotype are mounted on microscope slide No. 565-1103.

***Tanytarsus godavarensis*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 145. NEPAL.
Holotype ♂ (slide): HOLOTYPE/Tanytarsus godavarensis sp. n., 27.VII.1967, Godavari, Nepal, 5000', trap 18, Canad. Nepal Exped. det. F. Reiss 1970/Can. Nat. Coll. Type No. 11747.

***Tanytarsus panni*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 147. NEPAL.
Holotype ♂ (slide): HOLOTYPE/Tanytarsus panni sp. n., 26-31.V.1967, Canad. Nepal Exped. 27°57'N. 84°59'E, Mal. tr. 5, 10100', Vicinity of Katmandu, Nepal, det. F. Reiss 1970/Can. Nat. Coll. Type No. 11606.

***Tanytarsus politus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 493. USA.
Paralectotype: 1♂ (pinned), Illinois, CNC No. 2695.
Remarks: For lectotype designation see Frison (1927, p. 179). The terminalia of the above paralectotype are mounted on microscope slide No. S65 1104.

***Tanytarsus tibialis*** Webb, 1969, J. Kans. ent. Soc. 42(1): 100. CANADA.
Paratypes: 2♂♂, 2♀♀ (alcohol), Ontario, CNC No. 11942.

***Tanytarsus trilobus*** Webb, 1969, J. Kans. ent. Soc. 42(1): 99. CANADA.
Paratypes: 1♂, 1♀ (alcohol), Ontario, CNC No. 11943.

***Tanytarsus* (*Endochironomus*) *subtendens*** Townes, 1945, Am. Midl. Nat. 34(1): 65. USA.
Paratypes: 17♂♂, 4♀♀ (pinned), Ontario (Canada); 1♂, 6♀♀ (pinned), Manitoba (Canada); 4♀♀ (pinned), Saskatchewan (Canada); 1♂, 1♀ (pinned), Alberta (Canada), CNC No. 5676.
Remarks: There is 1 additional slide labeled as a paratype but it is from a locality not mentioned in the original description.

***Tanytarsus* (*Stictochironomus*) *annulicrus*** Townes, 1945, Am. Midl. Nat. 34(1): 83. USA.
Paratype: 1♂ (pinned), Ontario (Canada), CNC No. 5678.

***Tanytarsus* (*Stictochironomus*) *varius*** Townes, 1945, Am. Midl. Nat. 34(1): 82. USA.
Paratypes: 3♂♂ (pinned), 1♂ (slide), Iowa, CNC No. 5679.

***Tanytarsus* (*Sublettea*) *coffmani*** Roback, 1975, Proc. Acad. nat. Sci. Philad. 127(10): 72. CANADA.
Holotype ♂ (slide): N. Sevogle R., Northumb. Co., N.B., 1.VIII.1962, J. Marshall, CNC No. 19637/Tanytarsus (Sublettea) coffmani Roback, Holotype ♂.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 11♂♂, 1♀ (slides), New Brunswick.

***Tanytarsus* (*Tanytarsus*) *allicis*** Sublette, 1964, Tulane Stud. Zool. 11(4): 146. USA.
Paratypes: 2♂♂ (slides), Louisiana, CNC No. 9104.

***Tanytarsus* (*Tanytarsus*) *buckleyi*** Sublette, 1964, Tulane Stud. Zool. 11(4): 143. USA.
Paratype: 1♂ (slide), Louisiana, CNC No. 10955.

***Tanytarsus* (*Tanytarsus*) *dendyi*** Sublette, 1964, Tulane Stud. Zool. 11(4): 141. USA.
Paratypes: 2♂♂ (slides), 2♂♂ (pinned), Iowa, CNC No. 10953.

***Tanytarsus* (*Tanytarsus*) *limneticus*** Sublette, 1964, Tulane Stud. Zool. 11(4): 146. USA.
Paratypes: 2♂♂ (slides), Louisiana, CNC No. 10954.

***Tanytarsus* (*Tanytarsus*) *quadratus*** Sublette, 1964, Tulane Stud. Zool. 11(4): 144. USA.
Paratypes: 2♂♂ (slides), Louisiana, CNC No. 9105.

***Tanytarsus* (*Tanytarsus*) *vittatus*** Townes, 1945, Am. Midl. Nat. 34(1): 77. USA.
Paratypes: 2♂♂ (pinned), Quebec (Canada); 1♂ (pinned), Ontario (Canada), CNC No. 5677.

***Tanytarsus* (*Tanytarsus*) *xanthus*** Sublette, 1964, Tulane Stud. Zool. 11(4): 142. USA.
Paratypes: 3♂♂ (slides), Louisiana, CNC No. 10957.

***Tanytarsus* (*Tribelos*) *ater*** Townes, 1945, Am. Midl. Nat. 34(1): 68. USA.
Paratype: 1♂ (pinned), Quebec (Canada), CNC No. 5675.
Remarks: The terminalia of the paratype are mounted on microscope slide No. IV.2.42E.

***Tendipes* (*Chaetolabis*) *atroviridis*** Townes, 1945, Am. Midl. Nat. 34(1): 114. USA.
Paratypes: 2♂♂ (slides), 4♂♂, 2♀♀ (pinned), Ontario (Canada), CNC No. 5671.

***Tendipes* (*Cryptochironomus*) *directus*** Dendy & Sublette, 1959, Ann. ent. Soc. Am. 52(5): 514. USA.
Paratypes: 2♂♂ (slides), Louisiana, CNC No. 19631.

***Tendipes* (*Tendipes*) *atrella*** Townes, 1945, Am. Midl. Nat. 34(1): 124. USA.
Paratypes: 26♂♂, 1♀ (pinned); 1♂ (slide), Prince Edward Island (Canada); 2♂♂ (pinned), Manitoba (Canada); 2♂♂, 1♀ Alberta (Canada), CNC No. 5674.
Remarks: There is one additional specimen labeled as a paratype but it is from a locality not mentioned in the original description.

***Thienemanniella sanctivincenta*** Saether, 1982, Ent. scand. 13: 37. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 2♂♂ (slides), St. Vincent, CNC No. 16756.

***Thienemanniella semifimbriata*** Saether, 1982, Ent. scand. 13: 32. ST. VINCENT, BRITISH WEST INDIES.
Paratype: 1♀ pupa (slide), St. Vincent, CNC No. 16771.

***Trichocladius distinctus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 518. USA.
Paralectotype: 1♂, 1♀ (pinned), Illinois, CNC No. 2699.
Remarks: For lectotype designation see Frison (1927, p. 174). The terminalia of the above male paralectotype are mounted on microscope slide No. 565-1106.

*Trichocladius distinctus* n. var. *basalis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 519. USA.
Paralectotype: 1♂, 1♀ (pinned), Illinois, CNC No. 2698.
Remarks: For lectotype designation see Frison (1927, p. 174). The terminalia of the above male paralectotype are mounted on microscope slide No. 565-1.

*Trichotanypus hanseni* Wirth & Sublette, 1970, J. Kans. ent. Soc. 43(4): 347. USA.
Paratypes: 3♂♂, 2♀♀ (slides), 1 pupal exuviae (slide), Wyoming, CNC No. 12017.

*Trissocladius hamiltoni* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 42. CANADA.
Holotype ♂ (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. M.1.1. reared, Falcon L., Manitoba, Depth 0.6 m, near shore, sandy, 16.IV.-26.IV.1967, Leg A. Hamilton, Det. O.A.S., Can. Nat. Coll. Type No. 9977, Trissocladius hamiltoni O.A. Saether = Hydrobaenus johannsoni/ 124.21.23/127.22.
Paratype: 1♂ (slide, with larval and pupal exuviae), Ontario.

*Trissocladius tricornis* Oliver, 1976, Can. Ent. 108: 1055. CANADA.
Holotype ♂ (slide, with pupal and larvae exuviae): HOLOTYPE, Slide No. D.R.O. 52.26.2, Char L., Resolute, Cornwallis I., N.W.T., 19.VII.68, D.R. Oliver, Can. Nat. Coll. Type No. 12690, Trissocladius tricornus Oliver.
Paratypes: 67♂♂, 24♀♀ (slides), 9 larvae (slides), 16♂♂, 3♀♀ (alcohol), 7 pupae (alcohol), Northwest Territories; 14♂♂, 8♀♀ (slides), 9♂♂, 3♀♀ (alcohol), Greenland.

*Unniella multivirga* Saether, 1982, Ent. scand. 13: 503. USA.
Paratype: 1♂ (slide), South Carolina, CNC No. 18603.

*Virgatanytarsus ansatus* Reiss & Schurch, 1984, Spixiana 7(3): 319. GERMANY.
Paratype: 1♂ (slide), Germany, CNC No. 18427.

*Xenochironomus scopula* Townes, 1945, Am. Midl. Nat. 34(1): 93. CANADA.
Paratypes: 1♂ (pinned), Quebec; 4♂♂ (pinned), Ontario; 1♂ (pinned), Manitoba; CNC No. 5680.
Remarks: There is one additional specimen labeled as a paratype but it is from a locality not mentioned in the original description.

*Xestochironomus bulbosus* Borkent, 1984, Mem. ent. Soc. Can. 128: 27. VENEZUELA.
Holotype ♂ (slide): Xestochironomus bulbosus Borkent, CNC No. 17740, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 m, Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 7♀♀ (slides), Venezuela.

*Xestochironomus brunneus* Borkent, 1984, Mem. ent. Soc. Can. 128: 28. USA.
Holotype ♂ (slide): Xestochironomus brunneus Borkent, CNC No. 17742, Holotype, Loc: Pecos River, at Hwy. 70, New Mexico, Date: 4.IV.1981, Det: Coll: A. Borkent, CH 9207-R-26.V.81/HOLOTYPE.
Allotype ♀ (slide): Same data as holotype except CH 9207-R-14-15.VI.81.
Paratypes: 3♂♂, 4♀♀ (slides), 7 larval exuviae, 7 pupal exuviae (slides), 2♂♂ (alcohol), 47♂♂, 5♀♀ (pinned), 2 larvae, 10 pupal exuviae, 7 larval exuviae (alcohol), New Mexico; 1♀ (slide), 2 pupal exuviae (alcohol), Texas.
Remarks: The slides containing the larval and pupal exuviae of the holotype and allotype are not present in the CNC slide collection at this time.

*Xestochironomus comptus* Sublette & Wirth, 1972, Fla Ent. 55(1): 9. JAMAICA.
Paratype: 1♂ (slide), Jamaica, CNC No. 17976.

*Xestochironomus gilvus* Borkent, 1984, Mem. ent. Soc. Can. 128: 27. VENEZUELA.
Holotype ♂ (slide): Xestochironomus gilvus Borkent, CNC No. 17741, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 M. Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
Paratype: 1♂ (slide), Venezuela.

*Xestochironomus latilobus* Borkent, 1984, Mem. ent. Soc. Can. 128: 29. VENEZUELA.
Holotype ♂ (slide): Xestochironomus latilobus Borkent, CNC No. 17743, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 m. Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
Allotype ♀ (slide): Same data as holotype.
Paratype: 1♀ (slide), Venezuela.

*Xestochironomus luteifurcatus* Sublette & Wirth, 1972, Fla Ent. 55(1): 14. DOMINICA.
Paratypes: 4♂♂ (slides), Dominica, West Indies, CNC No. 17975.

*Xestochironomus subletti* Borkent, 1984, Mem. ent. Soc. Can. 128: 25. USA.
Holotype ♂ (slide): Xestochironomus subletti Borkent, CNC No. 17739, Holotype, Loc: Las Moras Creek, Fort Clark Springs, Texas, Date: 1.IV.1981, Det: A. Borkent, Coll: A. Borkent, CH/HOLOTYPE.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 4♂♂, 5♀♀ (slides), 2 larval exuviae, 6 pupal exuviae (slides), 1♂, 1♀ (alcohol), 25 larvae, 30 pupal exuviae (alcohol), 115♂♂, 97♀♀ (pinned), Texas; 1♂ (slide), 4 pupal exuviae (slide), New Mexico.
Remarks: There are 4 pupal exuviae mounted on a microscope slide and labeled as paratypes but they are from a locality not mentioned in the original description. The larval and pupal exuviae of the holotype are not present in the CNC at this time.

*Xylotopus burmanensis* Oliver, 1985, Can. Ent. 117: 1103. BURMA.
Paratypes: 1♂, 2♀♀ (slides), Burma, CNC No. 18743.

*Zalutschia briani* Soponis, 1979, Ent. scand. Suppl. 10: 125. USA.
Paratype: 1♂ (slide), Florida, CNC No. 19625.

*Zalutschia furcarca* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 217. CANADA.
Holotype ♂ (slide): HOLOTYPE' Slide No. 22, Lake Shore, Clyde, Baffin Is., N.W.T., Leg.

G.E. Shewell, 25.VII.58, Can. Nat. Coll. Type No. 13486, Zalutschia furcarca O.A. Saether.
Paratype: 1♂ (slide), Northwest Territories.

*Zalutschia lingulata lingulata* subsp. n. Saether, 1976, Bull. Fish. Res. Bd Can. 195: 223. CANADA.
Holotype ♂ (slide): HOLOTYPE' Slide No., CH 203-12, Swarming, cedars, Otter Lake, Ontario, 6.V.1971, Leg. A.R. Soponis, Can. Nat. Coll. Type No. 13488, Zalutschia lingulata O.A. Saether.
Allotype ♀ (slide): Same data as holotype except Slide No. CH 203-10.
Paratypes: 6♂♂, 5♀♀ (slides), 163♂♂, 71♀♀ (alcohol), Ontario; 4♂♂, 1♀ (slides), Quebec.
Remarks: There is one additional specimen labeled as a paratype but it is from a locality not mentioned in the original description.

*Zalutschia lingulata pauca* subsp. n. Saether, 1976, Bull. Fish. Res. Bd Can. 195: 228. CANADA.
Holotype ♂ (slide): HOLOTYPE' Slide No. 2, Marion L., B.C., near XI Leg. A.L. Hamilton, 10.IV.1965, Can. Nat. Coll. Type No. 13489, Zalutschia lingulata pauca O.A. Saether.
Allotype ♀ (slide): Same data as holotype except Slide No. 3.
Paratypes: 1 pupa, 1 larva (slides), British Columbia.

*Zalutschia pusa* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 234. CANADA.
Holotype ♀ (slide, reared from larvae): HOLOTYPE, Slide No., Depth 0.2 m. ditch with Chara bottom, Whiteshell Prov. Park, Manitoba, 16-25.IV.67, Leg. A.L. Hamilton, Can. Nat. Coll. Type No. 13490, Zalutschia pusa O.A. Saether/121.6.

*Zalutschia trigonacies* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 242. CANADA.
Holotype ♂ (slide): HOLOTYPE Slide No. 118, Hazen Camp, Ellesmere Is., N.W.T., Leg. D.R. Oliver, 21.VII.1961, Slide by L. Forester, 3.XII.62, Can. Nat. Coll. Type No. 13491, Zalutschia trigonacies, O.A. Saether.
Allotype ♀ (Slide): Same data as holotype, except slide No. 52, Hazen Camp, NE 94.
Paratypes: 6♂♂, 2♀♀ (slides), 1♂, 2♀♀ with pupal exuviae (slides), 1 pupa (slide), 2♂♂ pupae and larvae (slides), Northwest Territories.

*Zalutschia vockerothi* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 219. CANADA.
Holotype ♂ (slide, with pupal exuviae): HOLOTYPE, Slide No. 8, Old Chelsea, Quebec, Ex. 58 MPE, 25.IV.1958, Leg. J.R. Vockeroth, Can. Nat. Coll. Type No. 13487, Zalutschia vockerothi O.A. Saether.

## CULICIDAE

*Aedes hewitti* Hearle, 1923, Can. Ent. 55: 5. CANADA.
Holotype ♀: Yale, B.C., 8.VIII.1920, No. 13042a, Eric Hearle/♀/Holotype Aedes hewitti Hearle, CNC No. 521/Allotype Aedes hewitti Hearle, CNC No. 521/Aedes mutatus Dyar.
Paratypes: 2♀♀, British Columbia.
Remarks: The holotype in the CNC was in error labeled as the allotype. Since it is a ♀ and agrees with Hearle's published data for the holotype, I have added a holotype label in addition to the allotype label. It is not known where the allotype is deposited at this time.

*Aedes pacificensis* Hearle, 1927, Can. Ent. 59: 101. CANADA.
Holotype ♂: Discovery Island, B.C., 12.IV.1920, W.B. Anderson/Holotype Aedes pacificensis Hearle, CNC No. 2501/genitalia slide 120/Holotype ♂ Aedes pacificensis new species.
Allotype ♀: Same data as holotype.
Paratypes: 2♂♂, British Columbia.
Remarks: The holotype (slide No. 120) and one paratype have their terminalia mounted on a microscope slide. On the allotype slide there are two wings mounted: one labeled A, of *Aedes pacificensis*, and another labeled B, of *Aedes cataphylla*. The holotype has the apical portion of the right wing missing.

*Aedes pionips* Dyar, 1919, Insecutor Inscit. menstr. 7: 19. CANADA.
Syntype: 1 ♀, White River, Ont., June 23 1918/B No. 2/H.G. Dyar coll./Paratype No. 1146/Type No. 21922 U.S.N.M./Aedes pionips Dyar ♀ cotype/Syntype Aedes pionips Dyar, CNC No. 1146.

*Aedes simici* Baranoff, 1927, Neue Beitr. syst. Insektenk. 4(1-2): 15. YUGOSLAVIA.
Lectotype ♂: Skoplje, 19.VI.927/Cotypus Aedes simici Baranov/Lectotype Aedes simici Bar., designated by B.V. Peterson May, 1971, CNC No. 11973.
Remarks: For lectotype designation see Peterson (1971, p. 1199).

*Aedes* (*Ochlerotatus*) *churchillensis* Ellis & Brust, 1973, Can. J. Zool. 51(9): 922. CANADA.
Holotype ♀: Churchill, Man., 15.VI.1970, Pool No. 17, Coll. R.A. Ellis/Holotype Aedes (Ochl.) churchillensis, Ellis & Brust, CNC No. 12955/Holotype CNC No. 12955.
Paratypes: 12♂♂, 13♀♀, 10 larvae (slides), Manitoba.
Remarks: One paratype has the head stored in a glass microvial pinned with specimen.

*Aedes* (*Ochlerotatus*) *implicatus* Vockeroth, 1954, Can. Ent. 86: 110. CANADA.
Holotype ♂ (slide with associated larvae & pupae): Rupert House, P.Q., 1949, D.P. Gray/B17/Holotype Aedes implicatus Vock., No. 6031/Slide Coll. 20.XII.49B, J.R. Vockeroth.
Paratypes: 2♂♂, 8♀♀ (slides with associated larvae & pupae), Quebec.
Remarks: One ♂ paratype has the terminalia stored in a glass microvial, pinned with specimen.

*Aedes* (*Ochlerotatus*) *nearcticus* Dyar, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 32. CANADA.
Lectotype ♂: Bernard Harbour, N.W.T., July 19/Canadian Arctic Expedition, F.J. 1915/ Lectotype Aedes nearcticus Dyar, Desig. by J.R.V. No. 1877/1391/Slide 872/Slide No. Cul/Aedes nearcticus Dyar ♂ type.
Paralectotype: 1♂, Northwest Territories.
Remarks: For lectotype designation see Vockeroth (1954, p. 110). The lectotype has the terminalia mounted on microscope slide No. 872.

*Aedes* (*Ochlerotatus*) *pseudodiantaeus* Smith, 1952, Bull. Brooklyn ent. Soc. 47(1): 21. USA.
Paratypes: 1♀, Massachusetts; 3♂♂, 2♀♀, Labrador (Canada).
Remarks: One male paratype has the terminalia stored in a glass microvial pinned with the specimen.

*Aedes* (*Ochlerotatus*) *rempeli* Vockeroth, 1954, Can. Ent. 86: 112. CANADA.
Holotype ♂: Great Whale R., Que., 23.VI.1949, Jenkins & Knight/58-7/Holotype Aedes rempeli Vock. No. 6032/Slide J.R.V. 2.X.52 No. A.
Paratype: 1♂, Northwest Territories.
Remarks: There are three slides associated with the holotype. One contains the terminalia; another has the larval and pupal exuviae; the third contains the mid tarsus. The paratype has the larva and pupal exuviae mounted on a microscope slide. The paratype has the terminalia stored in a glass microvial pinned with specimen.

*Culiseta minnesotae* Barr, 1957, Proc. ent. Soc. Wash. 59(4): 163. USA.
Paratypes: 2♀♀, Minnesota, CNC No. 6694.

## DIXIDAE

*Dixa brevis* Garrett, 1924, New American Dixidae, p. 6. CANADA.
Holotype ♂: Okanagan Falls, B.C. 23.IX. C. Garrett/Slide 5305/Holotype Dixa brevis Garrett, CNC No. 7941/Holotype Dixa brevis ♂ Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype.
Paratypes: 4♂♂, British Columbia.
Remarks: The holotype has the terminalia mounted on slide No. 5305. The paratypes have their terminalia mounted on microscope slide Nos. 2612, 2681, 5306 and 5325.

*Dixa distincta* Garrett, 1925, Sixty-one new Diptera, p. 12. CANADA.
Holotype ♂: Cranbrook, Mark Cr., B.C. 16.X.24/hypo 5521/Holotype Dixa distincta Garrett, CNC No. 7945/Dixa distincta ♂, Garrett, C.B.D. Garrett.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5521. There is an allotype plus four additional males listed in the description, but these are not present in the CNC. The locality of the holotype slides is Cranbrook (St. Joseph Creek), whereas that of the pinned specimen is Cranbrook (Mark Cr.).

*Dixa dorsalis* Garrett, 1924, New American Dixidae, p. 4. CANADA.
Holotype ♂: Wasa, B.C., 23.X.23/C. Garrett Collector/Slide 5311/Holotype Dixa dorsalis Garrett, CNC No. 7936/Holotype Dixa dorsalis ♂, Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype.
Paratypes: 3♀♀, British Columbia.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5311.

*Dixa dyari* Garrett, 1924, New American Dixidae, p. 3. CANADA.
Holotype ♂: Cranbrook, B.C., 25.VI.20/C. Garrett Collector/Slide 5310/Holotype Dixa dyari Garrett, CNC No. 7935/Holotype Dixa dyari ♂ Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype, except 26.VI.20 has one additional label that reads T3S6.
Paratypes: 1♂, 2♀♀, British Columbia.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5310. Two paratypes, a ♂, No. 4370, and a ♀, No. 4355, have their abdomens mounted on microscope slides; however, the ♂ slide No. 4370 is not present in the CNC.

*Dixa fluvica* Peters, 1966, Misc. Publs ent. Soc. Am. 5: 242. USA.
Paratypes: 2♂♂, Quebec, CNC No. 17189.
Remarks: Both paratypes have the abdomens stored in glass microvials pinned with their respective specimens.

*Dixa fraterna* Garrett, 1924, New American Dixidae, p. 6. CANADA.
Holotype ♂: Bull River, B.C., Oct. 10/C. Garrett Collector/Hypo 5313/Holotype Dixa fraterna Garrett, CNC No. 7942/Holotype Dixa fraterna ♂ Garrett, C.B.D. Garrett.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5313. There are two additional specimens labeled as paratypes, but they are from localities not published in the original description. Both have genitalia mounted on microscope slide Nos. 2625 and 2620.

*Dixa johannseni* Garrett, 1924, New American Dixidae, p. 7. CANADA.
Holotype ♂: Michel, B.C. 5200 ft. 21.IX./Wilson Creek, N. Fork/C. Garrett Collector/Slide hypo. 5347/Holotype Dixa johannseni Garrett, CNC No. 7943/Holotype Dixa johannseni ♂ Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype.
Paratypes: 1♂, Alberta; 2♂♂, British Columbia.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5347. Two paratypes have the terminalia mounted on microscope slide Nos. 2599 and 5312. However, only slide 2599 is present in the CNC. There are two additional specimens from Marysville, B.C., 25 Sept and 12 July, labeled as paratypes *Dixa* var. of *johannseni* with slide Nos. 5295 and 5593, but these slides are not present in the CNC.

*Dixa lobatus* Garrett, 1924, New American Dixidae, p. 6. CANADA.
Holotype ♂: Cranbrook, B.C., 20.VII/Hypo 5493/Holotype Dixa lobatus Garrett, CNC No. 7939/Holotype Dixa lobatus ♂ Garrett, C.B.D. Garrett.
Allotype ♀: Fort Steele, B.C., 17.VII./Allotype Dixa lobatus Garrett, CNC No. 7939/Allotype Dixa lobatus ♀ Garrett, C.B.D. Garrett.
Paratypes: 2♂♂, British Columbia.
Remarks: In the description, the holotype was stated to have been collected on 30 June and several paratypes were collected on 20 July. The specimen Garrett labeled as holotype is dated 20 July, which is the date of collection

of some of the paratypes. The two paratypes listed above have dates that differ from original description. The holotype has the terminalia mounted on microscope slide No. 5493. Both paratypes are labeled with slide Nos. 5487 and 2592; however, only slide 2592 is present in the CNC. There is an additional specimen labeled as a paratype by Garrett, but it is from a locality not mentioned in the original description.

***Dixa montanus*** Garrett, 1924, New American Dixidae, p. 5. CANADA.
Holotype ♂: Cranbrook, B.C. 30.VI./Hypo 5488/Holotype Dixa montanus Garrett, CNC No. 7938/Holotype Dixa montanus ♂ Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype except 8.VII.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5488. The allotype was stated to have been collected on 13 July; however, it is labeled with a date of 8 July.

***Dixa neoaliciae*** Garrett, 1924, New American Dixidae, p. 2. USA.
Holotype ♂: Bozeman, Mont., September 3, 1912/hypo 5314/Holotype Dixa neoaliciae Garrett, CNC No. 7934/Holotype Dixa neoaliciae ♂ Garrett, C.B.D. Garrett.
Allotype ♀: Cranbrook, B.C. 26.VI.21/C. Garrett Collector/Allotype Dixa neoaliciae Garrett, CNC No. 7934/Allotype Dixa neoaliciae ♀ Garrett, C.B.D. Garrett.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5314.

***Dixa occidentalis*** Garrett, 1924, New American Dixidae, p. 4. CANADA.
Holotype ♂: Cranbrook, B.C. 15.VI./Hypo 5484/Holotype Dixa occidentalis Garrett, CNC No. 7937/Holotype Dixa occidentalis ♂ Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype except 1.V.24.
Paratype: 1♀, British Columbia.
Remarks: In the description, the holotype was stated to have been collected on 1 May, and a ♂ paratype collected on 15 June. The specimen Garrett labeled as holotype is dated 15 June, which is the date of collection of the paratype. The paratype above has a date that differs from the original description. The holotype has the terminalia mounted on microscope slide No. 5484. In the heading preceeding the description the specific name was misspelled *occidentails*.

***Dixa parvus*** Garrett, 1924, New American Dixidae, p. 6. CANADA.
Holotype ♂: Wasa, B.C. 19.X.23/C. Garrett Collector/Hypo 5495/Holotype Dixa parvus Garrett, CNC No. 7944/Monotype Dixa parvus ♂, Garrett, C.B.D. Garrett.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5495.

***Dixa plexipus*** Garrett, 1925, Seventy new Diptera, p. 5. CANADA.
Holotype ♂: Nelson, B.C. 10.VI. C. Garrett/5302 hypo/Holotype Dixa plexipus Garrett, CNC No. 7947/Monotype Dixa plexipus ♂ Garrett, C.B.D. Garrett.
Remarks: The holotype has the abdomen mounted on microscope slide No. 5302. The generic name was spelled *Dixia* in error in the heading preceding the description.

***Dixa rudis*** Garrett, 1924, New American Dixidae, p. 6. CANADA.
Holotype ♂: Wasa, Tata Cr. 27.IX./C. Garrett Collector/Slide 5508/Holotype Dixa rudis Garrett, CNC No. 7940/Monotype Dixa rudis ♂ Garrett, C.B.D. Garrett.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5508.

***Dixa serrata*** Garrett, 1924, New American Dixidae, p. 2. CANADA.
Syntypes: 6♂♂, 3♀♀, British Columbia, CNC No. 7933.
"1♂"; Oliver, B.C. 6.V. C. Garrett/Slide 5319/Holotype Dixa serrata ♂ Garrett, C.B.D. Garrett/Syntype Dixa serrata Garrett CNC No. 7933.
"5♂♂"; Oliver, B.C. 6.V. C. Garrett/Paratype Dixa serrata C.B.D. Garrett/Syntype Dixa serrata Garrett, CNC No. 7933.
"3♀♀"; Oliver, B.C. 6.V. C. Garrett/Paratype Dixa serrata C.B.D. Garrett/Syntype Dixa serrata Garrett, CNC No. 7933.
Remarks: There appear to be two male specimens (one in the CNC the other in the USNM) both labeled as holotype and collected from Oliver, B.C. on 6 May (see Peters & Cook 1966, p. 262). Therefore all specimens of the type series should be considered syntypes. The specimen labeled as the holotype has the terminalia mounted on microscope slide No. 5319. Two of the paratypes have Nos. 5333 and 5339 indicating there should be slides, but there are no slides present in the CNC.

***Dixa simplex*** Garrett, 1925, Sixty-one new Diptera, p. 12. CANADA.
Remarks: According to the description, the type series of *D. simplex* was from Cranbrook, B.C., June and October. Two specimens in the CNC, one labeled as holotype by Garrett, Wasa, B.C. 23.X.23 (slide 5331), the other labeled as paratype by Garrett, Wasa, B.C. 23.X.23 (slide 5341); were collected from a locality (Wasa, B.C.) not mentioned in the original description. Their status as types is therefore uncertain. Both slides for these specimens were originally labeled *Dixa spiralis* by Garrett, but he later stroked out the name *D. spiralis* and added *D. simplex*.

***Dixa spiralis*** Garrett, 1924, New American Dixidae, p. 1. CANADA.
Syntypes: 8 ♂♂, CNC No. 7932.
"♂"; Wasa, B.C., 22.X.23/C. Garrett Collector/5332 hypo/Syntype Dixa spiralis Garrett/Holotype Dixa spiralis ♂ Garrett, C.B.D. Garrett/Syntype Dixa spiralis Garrett, CNC No. 7932.
"3 ♂♂"; Wasa, B.C., 23.X.23/C. Garrett Collector/Paratype Dixa spiralis ♂ Garrett, C.B.D. Garrett/Syntype Dixa spiralis Garrett, CNC No. 7932.
"♂"; Cranbrook, B.C., 2.VII.20/C. Garrett Collector/2618 hypo/Syntype Dixa spiralis Garrett/Paratype Dixa spiralis ♂ C.B.D. Garrett.
"♂"; Wasa, B.C., 21.X.23/C. Garrett Collector/Syntype Dixa spiralis Garrett.
"♂"; Cranbrook, B.C., 21.X.24/5511/Syntype Dixa spiralis Garrett.

"♂"; Wasa, B.C., 19.X.22/C. Garrett Collector/5304 hypo/Paratype Dixa spiralis ♂ C.B.D. Garrett.

Remarks: Since no holotype was indicated in the original description, all 139 specimens are syntypes. However, Garrett labeled one of the above specimens as the holotype. The specimen labeled as holotype has its terminalia mounted on microscope slide No. 5332.

## MYCETOPHILIDAE

***Acadia polypori*** Vockeroth, 1980, Can. Ent. 112: 534. CANADA.

Holotype ♂: Ludlow, N.B., 2.VI.1968, D.P. Pielou, A171. Ex. Polyporus betulinus/Holotype Acadia polypori Vockeroth, CNC No. 16051.

Paratypes: 2 ♂♂, 1 ♀, New Brunswick.

Remarks: The apical portion of the abdomen and terminalia of all paratypes are in glass microvials, pinned with the respective specimen. The left wing of one male paratype is mounted on a microscope slide.

***Acnemia falkei*** Matile & Vockeroth, 1977, Bull. Soc. ent. Fr. 82: 18. UGANDA.

Holotype ♂: Entebbe, Uganda, 1.XII.1971, Mal. tr. H. Falke/Holotype Acnemia falkei Mat. & Vock., CNC No. 17071/Holotype Acnemia falkei Mat. & Vock.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial, pinned with the specimen.

***Adicroneura biocellata*** Vockeroth, 1980, Can. Ent. 112: 536. USA.

Holotype ♀: Wetmore Campground, Baker Co., Ore. 4500' 29.VI-5.VII.1965/Malaise trap Mounted from alcohol/Holotype Adicroneura biocellata Vockeroth, CNC No. 16052/Idema illustration.

Remarks: The abdomen is missing from the holotype.

***Aglaomyia gatineau*** Vockeroth, 1980, Can. Ent. 112: 537. CANADA.

Holotype ♀: Duncan Lake, Nr. Rupert, Que., 10.VI.1971, J.F. McAlpine/Holotype Aglaomyia gatineau Vockeroth, CNC No. 16053/Idema illustration.

***Allodia sabroskyi*** Colless, 1966, Insects Micronesia 12(6): 659. CAROLINE IS.

Paratypes: 1♂, 1♀, Palau Islands, CNC No. 17087.

***Apemon rufa*** Van Duzee, 1928, Proc. Calif. Acad. Sci. Ser. 4, 17(2): 32. USA.

Paratype: 1♂, California, CNC No. 17045.

***Asindulum theodori*** Matile, 1974, Israel J. Ent. 9: 73. ISRAEL.

Remarks: There is a specimen labeled as the allotype in the CNC, but it was designated in a later paper (Matile 1975, p. 500) and therefore has no type status.

***Australosymmerus peruensis*** Munroe, 1974, Mem. ent. Soc. Can. 92: 64. PERU.

Holotype ♂: Quincemil Cuzco, Peru, 1-15.XI.1962, L. Pena 700 m./Holotype Australosymmerus peruensis D. Munroe, CNC No. 12978.

Paratypes: 3♂♂, Peru.

Remarks: Two paratypes have the apical portion of the abdomen and the terminalia stored in glass microvials pinned with the respective specimen. The left wing of the paratype is mounted on microscope slide No. DDM-A-18.

***Australosymmerus (Araeostylus) collessi*** Munroe, 1974, Mem. ent. Soc. Can. 92: 57. CHILE.

Holotype ♂: Contulmo, Palo Botado, Arauco, Chile, 2 Feb.1953, L. Pena/Holotype Australosymmerus collessi D. Munroe, CNC No. 12971.

Allotype ♀: Rio Maniguales 72°30'W., 45°25'S. Aysen, Chile, 26-28.1.61 Pena/Wing on slide No. DDM-A-16/Allotype Australosymmerus collessi D. Munroe, CNC No. 12971.

Remarks: The abdomen of the holotype and allotype are each stored in a glass microvial that is pinned with the respective specimen. The left wing of allotype is mounted on microscope slide No. DDM-A-16.

***Australosymmerus (Araeostylus) lobatus*** Munroe, 1974, Mem. ent. Soc. Can. 92: 56. CHILE.

Holotype ♂: Puerto Cisnes, 72°40'W., 44°45'S., Aysen, Chile, 1-15.11.61, Pena/Holotype Australosymmerus lobatus D. Munroe, CNC No. 12973.

Allotype ♀: Same data as holotype, except 16-28.11.61.

Paratypes: 1♂, 1♀, Chile.

Remarks: The holotype and both paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial that is pinned with the respective specimen. The left wing of the female paratype is mounted on microscope slide No. DDM-A-4.

***Australosymmerus (Calosymmerus) magnificus*** Munroe, 1974, Mem. ent. Soc. Can. 92: 72. MEXICO.

Holotype ♂: San Cristobal, Chis. Mex., 7200' 25.VI.1969, Malaise Trap/Wing on slide DDM-A-22/Holotype Australosymmerus magnificus D. Munroe, CNC No. 12969.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial that is pinned with the specimen. The right wing is mounted on microscope slide No. DDM-A-22.

***Australosymmerus (Crionisca) magellani*** Munroe, 1974, Mem. ent. Soc. Can. 92: 44. CHILE.

Holotype ♂: Puerto Williams Isla. Navarino, T. del Fuego, Chile, 22-29.XI.60. Pena/Wing on slide DDM-A-24/Holotype Australosymmerus magellani D. Munroe, CNC No. 12975.

Remarks: The apical portion of the abdomen and terminalia are in a glass microvial pinned with the specimen. The left wing of the holotype is mounted on microscope slide No. DDM-A-24.

***Australosymmerus (Melosymmerus) acutus*** Munroe, 1974, Mem. ent. Soc. Can. 92: 68. MEXICO.

Holotype ♂: 20 mi. N. Huixtla, Chis. Mex., 4-VI-1969, H.J. Teskey/Wing on slide

DDM-A-21/Holotype Australosymmerus acutus D. Munroe, CNC No. 12968.
Allotype ♀: Same data as holotype.
Remarks: The holotype and allotype have the apical portion of the abdomen and terminalia stored in glass microvials pinned with the respective specimens. The left wing of the holotype is mounted on microscope slide No. DDM-A-21.

*Australosymmerus* (*Melosymmerus*) *minutus* Munroe, 1974, Mem. ent. Soc. Can. 92: 68. ECUADOR.
Holotype ♂: Pompeya, Napo R., Pastaza, Ecuad. 14-22.V.1965, L. Pena/Holotype Australosymmerus minutus D. Munroe, CNC No. 12976.
Paratype: 1♂, Ecuador.
Remarks: The holotype and paratype have the apical portion of the abdomen stored in glass microvials and pinned with the respective specimen. The left wing of the paratype is mounted on microscope slide No. DMM-A-20.

*Australosymmerus* (*Melosymmerus*) *truncatus* Munroe, 1974, Mem. ent. Soc. Can. 92: 69. MEXICO.
Holotype ♂: Mex. Sin. 15 mi. W. El Palmito, 5000' 30 July 1964, W.R.M. Mason/Holotype Australosymmerus truncatus D. Munroe, CNC No. 12970.
Paratypes: 10♂♂, Mexico.
Remarks: The apical portion of the abdomen and terminalia of seven of the paratypes are stored in glass microvials pinned with the respective specimen. One paratype has the left wing mounted on microscope slide No. DDM-A-12.

*Australosymmerus* (*Tantrus*) *montorum* Munroe, 1974, Mem. ent. Soc. Can. 92: 62. ECUADOR.
Holotype ♂: Azuay, Cerro Tinajillas, Ecuador, 18-21.III.1965, 3100 m., L. Pena/Holotype Australosymmerus montorum, CNC No. 12977, D. Munroe.
Paratypes: 2♂♂, Ecuador.
Remarks: The apical portion of the abdomen and terminalia of the holotype and one paratype are stored in glass microvials pinned with the respective specimen. One paratype has the right wing mounted on microscope slide DDM-A-9.

*Australosymmerus* (*Vellicocauda*) *confusus* Munroe, 1974, Mem. ent. Soc. Can. 92: 60. CHILE.
Holotype ♂: Pichinahuel, Chile, Cord. Nahuelbuta, 1400-1600 m. 37°50'S., 73°07'W., II. 12-20-1953, L.E. Pena/Holotype Australosymmerus confusus D. Munroe, CNC No. 12972.
Paratype: 1♂, Chile.
Remarks: The apical portion of the abdomen and terminalia of the holotype and paratype are stored in glass microvials that are pinned with the respective specimen. The left wing of the paratype is mounted on microscope slide No. DDM-A-3.

*Australosymmerus* (*Vellicocauda*) *maculatus* Munroe, 1974, Mem. ent. Soc. Can. 92: 61. CHILE.
Holotype ♂: Rio Maniguales, 72°30'W., 45°25'S., Aysen, Chile 26-28.I.61 Pena/Holotype Australosymmerus maculatus D. Munroe, CNC No. 12974.
Paratypes: 4♂♂, Chile.
Remarks: Each paratype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the respective specimen. The left wing of one paratype is mounted on microscope slide No. DDM-A-6.

*Austrosynapha andina* Duret, 1977, Neotropica 23(69): 77. ECUADOR.
Holotype ♂: Troya, 2950 m. Carchi, Ecuador, 11-13.VI.1965 L.E. Pena/Holotipo/Holotype Austrosynapha andina Duret, CNC No. 17072/C207/Austrosynapha andina sp.n. Det. J.P. Duret, 1977.
Remarks: The holotype has two microslide mounts on pin: No. C207a, of left wing, and No. C207b, of terminalia.

*Austrosynapha cuzquena* Duret, 1977, Neotropica 23(69): 79. PERU.
Holotype ♂: Quincemil Cuzco, Peru, 13-31.VIII.62, 780 m. L. Pena/ Holotipo/ Holotype Austrosynapha cuzquena Duret, CNC No. 17073/C240/ Austrosynapha cuzquena sp.n. Det. J.P. Duret, 1977.
Remarks: The holotype has two microslide mounts on pin: No. C240a of left wing, and No. C240b of terminalia.

*Austrosynapha penai* Duret, 1977, Neotropica 23(69): 75. CHILE.
Holotype ♂: Contulmo, Palo Botado, Arauco, Chile 2 Feb 1953, L. Pena/Holotipo/ Holotype Austrosynapha penai Duret, CNC No. 17074/C242/Austrosynapha penai sp.n. Det. J.P. Duret 1977.
Remarks: The holotype has two microslide mounts on pin: No. C242a, of left wing, and No. C242b, of terminalia.

*Austrosynapha peruana* Duret, 1977, Neotropica 23(69): 79. PERU.
Holotype ♂: Quincemil Cuzco, Peru, 1-15.XI.1962 700m., L. Pena/ Holotipo/ Holotype Austrosynapha peruana Duret, CNC No. 17075/C239/ Austrosynapha peruana sp.n. Det. J.P. Duret, 1977.
Remarks: The holotype has two microslide mounts on pin: No. C239a, of left wing, and No. C239b, of terminalia.

*Austrosynapha pseudoreducta* Duret, 1977, Neotropica 23(69): 76. ARGENTINA.
Paratypes: 19♂♂, Chile, CNC No. 17084.
Remarks: All paratypes have the microslide mounts of the terminalia on pin Nos. C332, C339, C340, C348, C353, C354, C357, C358, C359, C360, C361, C362, C490, C491, C493, C494, C497, C498, C499. Paratype C339a has the microslide mount of the left wing.

*Austrosynapha sergioi* Duret, 1977, Neotropica 23(69): 77. CHILE.
Holotype ♂: El Coigual Curico, Chile, 20-26.I.64. Pena/Holotipo/Holotype Austrosynapha sergioi Duret, CNC No. 17085/C235/ Austrosynapha sergioi sp.n. Det. J.P. Duret 1977.
Paratypes: 11♂♂, Chile.
Remarks: The holotype has the microslide mount of the terminalia on pin No. C235. All paratypes have the microslide mounts of terminalia on pin Nos. C199, C200, C201, C204, C219, C229, C231, C232, C233, C236 and C237. Paratype C201a has the microslide mount of the right wing.

***Austrosynapha vockerothi*** Duret, 1977, Neotropica 23(69): 80. PERU.

Holotype ♂: Quincemil Cuzco, Peru, 13-31.VIII.62 780 m., L. Pena/ Holotipo/ Holotype Austrosynapha vockerothi Duret, CNC No. 17086/C238/ Austrosynapha vockerothi sp.n. Det. J.P. Duret 1977.

Remarks: The holotype has two microslide mounts on pin: No. C238a, of left wing, and No. C238b, of terminalia.

***Aysenmyia patagonica*** Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 24. CHILE.

Holotype ♂: Puerto Cisnes, 72°40'W., 44°45'S., Aysen, CHILE, 1-15.II.61 Pena/Holotype Aysenmyia patagonica Duret, CNC No. 19425/Holotypus/C226/Aysenmyia g.n. patagonica sp.n. J.P. Duret, Det. 1977.

Paratype: 1♂, Chile.

Remarks: The holotype has its head and terminalia mounted between two pieces of glass on separate mounts pinned with the specimen.

***Baeopterogyna nudipes*** Vockeroth, 1972, Can. Ent. 104: 1532. CANADA.

Holotype ♂: Herschel I., Y.T., 22 July 1971, W.R.M. Mason/Holotype Baeopterogyna nudipes Vockeroth, CNC No. 12745/Mounted from alcohol.

Paratypes: 25♂♂, 2♀♀, Yukon Territory; 2♂♂, Alaska (USA).

Remarks: The apical portion of the abdomen and terminalia of each of two paratypes are stored in a glass microvial pinned with the respective specimen. The wing and haltere of one male and one female paratype are mounted on microscope slides: male No. 23a, female No. 23b.

***Boletina anticus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 165. CANADA.

Syntypes: 2♂♂, 3♀♀, CNC No. 7843.

"♂"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N. Fork/C. Garrett Collector/Holotype Boletina anticus ♂ C.B.D. Garrett.

"♀"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Allotype Boletina anticus ♀ C.B.D. Garrett.

"♂"; Michel, B.C., 5200 ft, 21.IX./Wilson Creek, N.Fork/C. Garrett Collector/hypo 5222/Paratype Boletina anticus ♂ C.B.D. Garrett.

"♀"; Michel, B.C., 5200 ft., 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Paratype Boletina anticus ♀ C.B.D. Garrett.

"♀"; Michel, B.C., 27.IX./Wilson Creek/C. Garrett Collector/Paratype Boletina anticus ♀ C.B.D. Garrett.

Remarks: Since no holotype was indicated in the original description, all specimens in the type series are syntypes. However, Garrett labeled one of the above males as the holotype.

***Boletina antomus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 166. CANADA.

Syntypes: 3♂♂, 2♀♀, CNC No. 7844.

"♂"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Holotype Boletina antomus ♂ C.B.D. Garrett.

"♀"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Allotype Boletina antomus ♀ C.B.D. Garrett.

"2♂♂, 1♀"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Paratype Boletina antomus C.B.D. Garrett.

Remarks: Since no holotype was indicated in the original description, all nineteen specimens in the type series are syntypes (the location of fourteen of these is unknown). However, Garrett labeled one male as the holotype.

***Boletina astacus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 164. CANADA.

Syntypes: 1♂, 1♀, CNC No. 7842.

"♂"; Caulfields, B.C., 16.VI.17, 1711/hypo 4255/Holotype Boletinus astacus ♂ C.B.D. Garrett.

"♀"; Caulfields, B.C., 16.VI.17, 1705/ Allotype Boletinus astacus ♀ C.B.D. Garrett.

Remarks: Since no holotype was indicated in the description, all three specimens in the type series are syntypes. However, Garrett labeled the male as the holotype. This specimen has the terminalia mounted on microscope slide No. 4255.

***Boletina differens*** Garrett, 1924, Insecutor Inscit. menstr. 12: 168. CANADA.

Holotype ♂: Fernie, B.C., 21.VII./C. Garrett Collector/Holotype Boletina differens Garrett, CNC No. 7847/Monotype Boletina differens Garrett, C.B.D. Garrett.

***Boletina jucunda*** Garrett, 1924, Insecutor Inscit. menstr. 12: 167. CANADA.

Syntypes: 2♂♂, CNC No. 7846.

"♂"; Savary Id., [B.C.] 8.4.17, 327/hypo 5124/Holotype Boletina jucunda C.B.D. Garrett.

"♂"; Savary Isle, B.C., 10.4.17, 544/Wing 2699/Paratype Boletina jucunda ♂ C.B.D. Garrett.

Remarks: Since no holotype was indicated in the original description, both specimens in the type series are syntypes. However, Garrett labeled one male as the holotype. This specimen has the terminalia mounted on microscope slide No. 5124. The specimen labeled as paratype has its right wing mounted on microscope slide No. 2699.

***Boletina magna*** Garrett, 1925, Sixty-one new Diptera, p. 5. CANADA.

Holotype ♂: Fernie, B.C., 24.VII./C. Garrett Collector/Holotype Boletina magna Garrett, CNC No. 7854/Monotype Boletina magna Garrett, C.B.D. Garrett.

***Boletina montanus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 163. CANADA.

Syntypes: 1♂, 3♀♀, CNC No. 7840.

"♂"; Fernie, B.C., 23.VII./C. Garrett Collector/Holotype Boletina montanus ♂ C.B.D. Garrett.

"♀"; Fernie, B.C., 24.VII./C. Garrett Collector/Allotype Boletina montanus ♀ C.B.D. Garrett.

"2♀♀"; Fernie, B.C., 21.VII./C. Garrett Collector/Paratype Boletina montanus ♀ C.B.D. Garrett.

Remarks: Since no holotype was indicated in the original description, all six specimens in the type series are syntypes. However, Garrett labeled one male as the holotype.

***Boletina punctus*** Garrett, 1925, Sixty-one new Diptera, p. 5. CANADA.
Holotype ♂: Creston, B.C., 4.VII./C. Garrett Collector/549Y/Holotype Boletina punctus Garrett, CNC No. 7853/Holotype Boletina punctus Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype.
Paratypes: 13♂♂, 3♀♀, same data as holotype.
Remarks: The holotype has the terminalia mounted on microscope slide No. 549Y. Two paratypes have the terminalia mounted on microscope slide Nos. 5501, 5496.

***Boletina shermani*** Garrett, 1924, Insecutor Inscit. menstr. 12: 166. CANADA.
Syntypes: 2♂♂, 5♀♀, CNC No. 7845.
"♂"; Van., B.C., 6.5.17, 1146/Holotype Boletina shermani ♂ C.B.D. Garrett.
"♀"; Stanley Park, B.C., 20.5.17, 1346/Allotype Boletina shermani ♀ C.B.D. Garrett.
"♂"; Capilano, B.C., 3.4.18/Hypo 4215/Paratype Boletina shermani ♂ Short F. RM, C.B.D. Garrett.
"♀"; Capilano, B.C., 12.5.17, 1214/Wing 5290/Paratype Boletina shermani ♀ C.B.D. Garrett.
"♀"; Seymour Ck., B.C., 19.5.17, 1294/ Paratype Boletina shermani ♀ C.B.D. Garrett.
"♀"; Capilano, B.C., 12.5.17, 1203/Paratype Boletina shermani ♀ C.B.D. Garrett.
"♀"; Vancouver, B.C., 24.2.06/Paratype Boletina shermani ♀ C.B.D. Garrett.
Remarks: Since no holotype was indicated in the original description, all ten specimens in the type series are syntypes. However Garrett labeled one male as the holotype. This specimen has the terminalia mounted on microscope slide No. 2692.

***Boletina taiwana*** Saigusa, 1968, Sieboldia 4(1): 11. TAIWAN.
Paratype: 1♂, Taiwan, CNC No. 17979.

***Boletina unusus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 168. USA.
Holotype ♂: Ithaca, N.Y. VII-4-20/2691 N.Y./ Holotype Boletina unusus Garrett, CNC No. 7848/Monotype Boletina unusus Garrett, C.B.D. Garrett.
Remarks: The apical portion of the abdomen and terminalia are mounted on microscope slide No. 2691.

***Bolitophila acuta*** Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.
Holotype ♂: Michel, B.C., 22.VIII./Wilson Creek/C. Garrett Collector/5470 hypo/ Holotype Bolitophila acuta Garrett, CNC No. 7862/Holotype Bolitophila acuta ♂ Garrett, C.B.D. Garrett.
Paratypes: 3♂♂, British Columbia.
Remarks: The holotype has the terminalia mounted on microscope slide No. 5470. All paratypes have the terminalia mounted on microscope slide Nos. 5441, 5469, 5472. Paratype slide No. 5441 is labeled as having the wing mounted on the slide with the terminalia but there is no wing with the terminalia.

***Bolitophila bilobata*** Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.
Holotype ♂: Cranbrook, B.C., 21.VII.17/C. Garrett Collector/Holotype Bolitophila bilobata Garrett, CNC No. 7865/Allotype Bolitophila bilobata Garrett, CNC No. 7865/Holo and Allotype Bolitophila bilobata Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype.
Paratypes: 4♂♂, British Columbia.
Remarks: The holotype and allotype are in copula. In Garrett's original description of ***B. bilobata*** the name ***Bolitophila*** was mispelled ***Bolithophila***.

***Bolitophila clavata*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.
Holotype ♂: Michel, B.C., 14.IX./Wilson Creek/C. Garrett Collector/5460 hypo/Holotype Bolitophila clavata Garrett, CNC No. 7861/Holotype Bolitophila clavata Garrett, C.B.D. Garrett.
Paratypes: 2♂♂, British Columbia.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 5460. Both paratypes have the terminalia mounted on microscope slide Nos. 5451, 5466.

***Bolitophila connectans*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.
Holotype ♂: Michel, B.C., 24.IX., 5200 ft./Wilson Creek, N.Fork/C. Garrett Collector/546Y hypo/Holotype Bolitophila connectans Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype.
Remarks: The apical portion of the abdomen and terminalia of the holotype are mounted on microscope slide No. 5467.

***Bolitophila duplus*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.
Holotype ♂: Cranbrook, B.C., 4.VII./5489 hypo/Holotype Bolitophila duplus Garrett, CNC No. 7857/Holotype Bolitophila duplus Garrett, C.B.D. Garrett.
Paratype: 1♂, British Columbia.
Remarks: In Garrett's original description of ***B. duplus*** the name ***Bolitophila*** was mispelled as ***Belitophila***. The terminalia of the holotype are mounted on microscope slide No. 5489. The terminalia of the paratype are mounted on microscope slide No. 5440.

***Bolitophila patulosa*** Garrett, 1925, Sixty-one new Diptera, p. 7. USA.
Holotype ♂: Stan. U. Cal. Feb. 1916/L.S. Jr. U. Lot 569 Sub 8/5440 slide/Holotype Bolitophila patulosa Garrett, CNC No. 7864/Monotype Bolitophila patulosa ♂ Garrett, C.B.D. Garrett.
Remarks: The terminalia are mounted on microscope slide No. 5440.

***Bolitophila perlata*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.
Holotype ♂: Bull River, B.C., 8.VII./C. Garrett Collector/5457 hypo/Holotype Bolitophila perlata Garrett, CNC No. 7856/Holotype Bolitophila perlata Garrett, C.B.D. Garrett.
Paratypes: 2♂♂, British Columbia.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 5457. In Garrett's original description of ***B. perlata*** the name ***Bolitophila*** was mispelled ***Belitophila***.

***Bolitophila raca*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.

Holotype ♂: Crows Nest, B.C., 26.VIII./C. Garrett Collector/hypo 5450/Holotype Bolitophila raca Garrett, CNC No. 7858/Holotype Bolitophila raca ♂ C.B.D. Garrett.

Remarks: The terminalia of the holotype are mounted on microscope slide No. 5450.

***Bolitophila recurva*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.

Holotype ♂: Michel, B.C., 21.IX., 5200 ft/Wilson Creek, N.Fork/C. Garrett Collector/5458 hypo/Holotype Bolitophila recurva Garrett, CNC No. 7860/Holotype Bolitophila recurva Garrett, C.B.D. Garrett.

Paratype: 1♂, British Columbia.

Remarks: The terminalia of the holotype are mounted on microscope slide No. 5458.

***Bolitophila simplex*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.

Holotype ♂: Crows Nest, B.C., 6.VIII./C. Garrett Collector/5449 hypo/Holotype Bolitophila simplex Garrett, CNC No. 7855/Holotype Bolitophila simplex Garrett, C.B.D. Garrett.

Remarks: The abdomen and terminalia of the holotype are mounted on microscope slide No. 5449.

***Bolitophila subteresa*** Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.

Holotype ♂: Cranbrook, B.C., 6.-X./C. Garrett Collector/5452 hypo/Holotype Bolitophila subteresa Garrett, CNC No. 7863/Holotype Bolitophila subteresa Garrett, C.B.D. Garrett.

Allotype ♀: Same data as holotype, except 26.VII.

Paratypes: 10♀♀, British Columbia.

Remarks: The terminalia of the holotype are mounted on microscope slide No. 5452.

***Cerotelion fasciata*** Garrett, 1925, Sixty-one new Diptera, p. 12. CANADA.

Holotype ♀: Cranbrook, B.C., 11.IX.19/C. Garrett Collector/Holotype Cerotelion fasciata Garrett, CNC No. 7879/Monotype Cerotelion fasciata Garrett, C.B.D. Garrett.

Remarks: In the original description of *C. fasciata* the name *Cerotelion* is misspelled *Ceratelion*.

***Chiasmoneura bipunctata*** Matile, 1973, Bull. Inst. fond. Afr. noire 34(A): 601. NIGERIA.

Holotype ♂: Ibadan, Nigeria, 4.VII.1962, Malaise trap, D.C. Eidt/Holotype/Holotype Chiasmoneura bipunctata Matile, CNC No. 17043/Chiasmoneura bipunctata n.sp. holotype, det. L. Matile 1971.

Remarks: The nominal year for publication of Matile's description is 1972, but according to Matile (1980, p. 217) and Smith *et al.* (1980, p. 1073) the actual year of publication is 1973. The apical portion of the abdomen and terminalia are stored in glycerine in a glass microvial that is pinned with the specimen. The apical portion of the right wing is missing.

***Cordyla confera*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.

Holotype ♂: Cranbrook, B.C., 23.V./5569 hypo/Holotype Cordyla confera Garrett, CNC No. 7897/Monotype Cordyla confera Garrett, C.B.D. Garrett.

Remarks: The terminalia of the holotype are mounted on microscope slide No. 5569.

***Cordyla parva*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.

Holotype ♂: Cranbrook, B.C., 10.VII./55Y1 hypo/Holotype Cordyla parva Garrett, CNC No. 7898/Monotype Cordyla parva Garrett, C.B.D. Garrett.

Remarks: The terminalia are mounted on microscope slide No. 55Y1.

***Cordyla scutellata*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.

Syntypes: 1♂, 1♀, CNC No. 7896.

"♂"; Nelson, B.C., 24.VI., C. Garrett/hypo 5309/Holotype Cordyla scutella [sic] ♂ C.B.D. Garrett.

"♀"; Nelson, B.C., 23.VI., C. Garrett/Allotype Cordyla scutella [sic] ♀ C.B.D. Garrett.

Remarks: In the original description Garrett indicates type with number 188, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore, I consider both specimens as syntypes. The specimen labeled as the holotype has its terminalia mounted on microscope slide No. 5309.

***Cordyla verio*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.

Syntype: 1♂, CNC no. 7895.

"♂"; Cranbrook, B.C., 10.VII./hypo 528Y/Holotype Cordyla vires [sic] ♂, C.B.D. Garrett.

Remarks: Since no holotype was indicated in the description, both specimens are syntypes. However, Garrett labeled one male, Cranbrook, B.C., 10 July (slide No. 528Y hypo) as holotype. The specimen labeled as a holotype has the terminalia mounted on microscope slide No. 528Y. Garrett has an identification label of *Cordyla vires* on type specimen.

***Drepanocercus ensifer*** Vockeroth, 1980, Can. Ent. 112: 539. USA.

Holotype ♂: Highlands, N.C., 3800' 7.VI.1957, J.R. Vockeroth/Holotype Drepanocercus ensifer Vockeroth, CNC No. 16054.

Paratypes: 1♂, 1♀, Nova Scotia (Canada); 5♂♂, 1♀, Quebec (Canada); 1♂, 1♀, Vermont; 1♂, New York; 4♂♂, Maine; 16♂♂, 2♀♀, Tennessee; 12♂♂, 3♀♀, North Carolina; 1♀, Georgia.

Remarks: There are two additional specimens labeled as paratypes, but they are from a locality not mentioned in the original description. Four paratypes each have the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the respective specimen.

***Dynatosoma errans*** Garrett, 1925, Seventy new Diptera, p. 11. USA.

Syntypes: 2♀♀, CNC No. 7884.

"♀"; Ithaca, N.Y., VII.25-20/E.W. Stafford Collector/Holotype Dynatosoma errans ♀ C.B.D. Garrett.

"♀"; Ithaca, N.Y., VII.23-20/Paratype Dynatosoma errans ♀ C.B.D. Garrett.

Remarks: In the original description Garrett indicates type with number 173, Garrett collection. However, the above specimen labeled as holotype has no number associated with it. Therefore, I consider both specimens as syntypes.

***Dynatosoma huliphila*** Garrett, 1925, Seventy new Diptera, p. 12. CANADA.
Syntype: 1♂, CNC No. 7886.
"♂"; Cranbrook, B.C., 19.IV./hypo 5219/ Holotype Dynatosoma huliphila ♂ C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 175, Garrett Collection. However, the above specimen does not have that number associated with it. As it is uncertain how many specimens Garrett had before him, I have considered this specimen to be a syntype. The apical portion of the abdomen and terminalia are mounted on microscope slide No. 5219.

***Dynatosoma huliphila*** var. ***grandis*** Garrett, 1925, Seventy new Diptera, p. 12. CANADA.
Syntypes: 1♂, 1♀, CNC No. 7962.
"♂"; Cranbrook, B.C., 3.V.18/246/hypo 518Y/Holotype Dynatosoma grandis ♂ C.B.D. Garrett.
"♀"; Bull River, 1.V.10, B.C./Allotype Dynatosoma grandis ♀ C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 178, Garrett Collection. However, the above specimen labeled as the holotype does not have that number associated with it. Therefore, I consider both specimens as syntypes. The specimen labeled as the holotype has the apical portion of the abdomen and terminalia mounted on microscope slide No. 5187.

***Dynatosoma montanus*** Garrett, 1925, Seventy new Diptera, p. 11. CANADA.
Syntypes: 1♂, 1♀, CNC No. 7885.
"♂"; Marysville, B.C., 22.VII., C. Garrett/Mt. Evans 7000 ft/hypo 5182/Holotype Dynatosoma montanus ♂ C.B.D. Garrett.
"♀"; Marysville, B.C., 22.VII., C. Garrett/Mt. Evans 7000 ft/Allotype Dynatosoma montanus ♀ C.B.D. Garrett.
Remarks: In the original description, Garrett indicates type with number 174, Garrett Collection. However, the above specimen labeled as the holotype has no number associated with it. Therefore, I consider both specimens to be syntypes. The specimen labeled as the holotype has the terminalia mounted on microscope slide No. 5182.

***Dziedzicka columbiana*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1960) 16: 17. CANADA.
Holotype ♂: Van., B.C., 22.5.17, 1415/Dziedzickia columbiana R.S. S[herman], CNC No. 7951.
Remarks: This specimen was apparently described from a single male specimen, which may be considered the holotype. The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with specimen. In the original description of *D. columbiana* the name *Dziedzickia* is misspelled *Dziedzicka*.

***Dziedzickia johannseni*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 17. CANADA.
Holotype ♀: Savary Id., [B.C.] 10.4.17, 529/ Dziedzickia johannseni R.S. Sherman, CNC No. 7950.
Remarks: This species was apparently described from a single female which may be considered the holotype.

***Dziedzickia occidentalis*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 17. CANADA.
Holotype ♂: Savary Id., [B.C.] 8.4.17 338/ Dziedzickia occidentalis R.S. Sherman.
Remarks: This species was apparently described from a single male which may be considered the holotype.

***Dziedzickia patagonica*** Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 104. CHILE.
Paratype: 1♂, Chile, CNC No. 19420.

***Dziedzickia penai*** Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 104. CHILE.
Holotype ♂: Antillanca, Osorno, CHILE, 18.III.1955, 400 m, L.E. Pena/Holotype Dziedzickia penai Duret, CNC No. 19422/Holotypus/C609/Dziedzickia penai sp.n. J.P. Duret, Det. 1958.
Remarks: The left wing and terminalia of the holotype are mounted between two pieces of glass on separate mounts that are pinned with the specimen.

***Dziedzickia pseudoarmata*** Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 98. ARGENTINA.
Paratypes: 13♂♂, Chile, CNC No. 19424.

***Dziedzickia rutila*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 17. CANADA.
Holotype ♂: Van., B.C., 3.XI.17/Dziedzickia rutila R.S. Sherman.
Remarks: This species was apparently described from a single male which may be considered the holotype.

***Dziedzickia stangei*** Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 105. CHILE.
Paratype: 1♂, Chile, CNC No. 19421.

***Dziedzickia vernalis*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 16. CANADA.
Holotype ♀: Van., B.C., 8.5.16/Dziedzickia vernalis R.S. Sherman, CNC No. 7948.
Remarks: This species was apparently described from a single female which may be considered the holotype.

***Dziedzickia vockerothi*** Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 105. CHILE.
Holotype ♂: Puerto Cisnes, 72°40'W., 44°45'S., Aysen, CHILE 1-15.11.61, Pena/Holotype Dziedzickia vockerothi Duret, CNC No. 19423/Holotypus/C611/Dziedzickia vockerothi sp.n. J.P. Duret, Det. 1978.
Paratype: 1♂, Chile.
Remarks: The left wing and terminalia of the holotype are mounted between two pieces of glass on separate mounts that are pinned with the specimen.

***Echinopodium armatum*** Duret, 1976, Physis, B. Aires (C) 35(90): 180. CHILE.
Holotype ♂: Chile, Cautin, Los Coigues L. Villarica. N. 16-25.I.65, Pena/Holotype Echinopodium armatum, Duret, CNC No. 17054/Holotipo/C111/Echinopodium armatum, sp.n. Det. J.P. Duret, 1975.
Remarks: The holotype has two microslide mounts on pin: No. C111a of terminalia, and No. C111b of middle coxa.

***Echinopodium aysense*** Duret, 1976, Physis, B. Aires (C) 35(90): 181. CHILE.

Holotype ♂: Puerto Cisnes, 72°40'W., 44°45'S., Aysen, Chile 1-15.II.61. Pena/Holotipo/ Holotype Echinopodium aysense, Duret CNC No. 17055/C8/ Echinopodium aysensis [sic], sp.n. Det. J.P. Duret, 1975.

Paratype: 1♂, Chile.

Remarks: The holotype has two microslide mounts on pin: No. C8a, of terminalia, and No. C8b, of middle coxa. The paratype has two microslide mounts on pin: No. C168a, of terminalia, and No. C168b, of middle coxa.

***Echinopodium bejaranoi*** Duret, 1974, Physis, B. Aires (C) 33(86): 103. ARGENTINA.

Paratype: 1♂, Argentina, CNC No. 17056.

Remarks: The paratype has a microslide mount of the terminalia and middle coxa, on pin No. 9648.

***Echinopodium cekalovici*** Duret, 1976, Physis, B. Aires (C) 35(90): 181. CHILE.

Holotype ♂: Dalcahue Isla Chiloe, Chiloe, Chile, Feb. '61. L. Pena/Holotipo/Holotype Echinopodium cekalovici, Duret, CNC No. 17057/C90/ Echinopodium cekalovici sp.n. Det. J.P. Duret, 1975.

Remarks: The holotype has two microslide mounts on pin: No. C90a, of terminalia, and No. C90b, of middle coxa.

***Echinopodium chilense*** Duret, 1976, Physis, B. Aires (C) 35(90): 183. CHILE.

Holotype ♂: Puerto Cisnes, 72°40'W., 44°45'S., Aysen, Chile, 16-28.II.'61 Pena/Holotipo/ Holotype Echinopodium chilense, Duret, CNC No. 17058/C24/ Echinopodium chilensis [sic] sp.n. Det. J.P. Duret, 1975.

Remarks: The holotype has two microslide mounts on pin: No. C24a, of terminalia, and C24b, of middle coxa.

***Echinopodium coronatum*** Duret, 1976, Physis, B. Aires (C) 35(90): 184. CHILE.

Holotype ♂: Chile, Cautin, Los Coigues, L. Villarica. N. 16-25.I.65 Pena/Holotipo/ Holotype Echinopodium coronatum, Duret, CNC No. 17059/C56/ Echinopodium coronatum sp.n. Det. J.P. Duret, 1975.

Remarks: The holotype has two microslide mounts on pin: No. C56a, of terminalia, and No. C56b, of middle coxa.

***Echinopodium elegans*** Duret, 1976, Physis, B. Aires (C) 35(90): 184. CHILE.

Holotype ♂: Dalcahue, Isla Chiloe, Chiloe, Chile, 17-22.I.62. Pena/Holotipo/Holotype Echinopodium elegans Duret, CNC No. 17060/C58/Echinopodium elegans sp.n. Det. J.P. Duret, 1975.

Paratype: 1♂, Chile.

Remarks: The holotype has two microslide mounts on pin: No. C58a, of terminalia, and C58b, of middle coxa. The paratype has one microslide mount on pin: No. C57, of terminalia.

***Echinopodium insolitum*** Duret, 1976, Physis, B. Aires (C) 35(90): 185. CHILE.

Holotype ♂: Dalcahue, Isla Chiloe, Chiloe, Chile, 17-22.I.62 Pena/Nothofagus forest/ Holotipo/Holotype Echinopodium insolitum Duret, CNC No. 17062/C98/ Echinopodium insolitum sp.n. Det. J.P. Duret, 1975.

Paratype: 1♂, Chile.

Remarks: The holotype has two microslide mounts on pin: No. C98a, of terminalia, and C98b, of middle coxa. The paratype has two microslide mounts on pin: C105d, of terminalia, and C105b, of middle coxa.

***Echinopodium munroei*** Duret, 1976, Physis, B. Aires (C) 35(90): 185. CHILE.

Holotype ♂: Puerto Cisnes, 72°40'W., 44°45'S., Aysen, Chile, 16-28.II.'61 Pena/Holotipo/ Holotype Echinopodium munroei Duret, CNC No. 17063/C22/Echinopodium munroei sp.n. Det. J.P. Duret, 1975.

Remarks: The holotype has two microslide mounts on pin: C22a, of terminalia, and C22b, of middle coxa.

***Echinopodium patagonicum*** Duret, 1976, Physis, B. Aires (C) 35(90): 187. CHILE.

Holotype ♂: Chile, Cautin, Los Coigues, L. Villarica. N. 16-25.I.65. Pena/Holotipo/ Holotype Echinopodium patagonicum Duret, CNC No. 17064/ C20/Echinopodium patagonicum sp.n. Det. J.P. Duret, 1975.

Paratype: 1♂, Chile.

Remarks: The holotype has two microslide mounts on pin: C20a, of terminalia, and C20b, of middle coxa. The paratype has two microslide mounts on pin: C104a, of terminalia, and C104b, of middle coxa.

***Echinopodium penai*** Duret, 1976, Physis, B. Aires (C) 35(90): 189. CHILE.

Holotype ♂: Dalcahue, Isla Chiloe, Chiloe, Chile, Feb.'61. L. Pena/Holotipo/Holotype Echinopodium penai Duret, CNC No. 17065/C96/ Echinopodium penai sp.n. Det. J.P. Duret, 1975.

Paratype: 1♂, Chile.

Remarks: The holotype has two microslide mounts on pin: No. C96a, of terminalia, and C96b, of middle coxa. The paratype has one microslide mount of the terminalia on pin, No. C171.

***Echinopodium pilosum*** Duret, 1976, Physis, B. Aires (C) 35(90): 189. CHILE.

Paratypes: 2♂♂, Chile, CNC No. 17066.

Remarks: Each paratype has two microslide mounts on pin: No. C101a, of terminalia, and No. C101b, of middle coxa; No. C102a, of terminalia, and no. C102b, of middle coxa.

***Echinopodium stuardoi*** Duret, 1976, Physis, B. Aires (C) 35(90): 190. CHILE.

Holotype ♂: Puerto Cisnes, 72°40'W., 44°45'S., Aysen, Chile, 1-15.11.61 Pena/Holopito/ Holotype Echinopodium stuardoi Duret, CNC No. 17067/C196/ Echinopodium stuardoi sp.n. Det. J.P. Duret, 1975.

Remarks: The holotype has two microslide mounts on pin: No. C196a, of terminalia, and C196b, of middle coxa.

***Echinopodium villarricaense*** Duret, 1976, Physis, B. Aires (C) 35(90): 191. CHILE.

Holotype ♂: Chile, Cautin, Los Coigues, L. Villar., 1-15 Jan. 1965, Pena/Holotipo/ Holotype Echinopodium villarricaense Duret, CNC No. 17068/ C108/Echinopodium villarricaense sp.n. Det. J.P. Duret, 1975.

Remarks: The holotype has two microslide mounts on pin: No. C108a, of terminalia, and No. C108b, of middle coxa.

*Echinopodium vockerothi* Duret, 1976, Physis, B. Aires (C) 35(90): 192. CHILE.

Holotype ♂: Dalcahue Isla, Chiloe Chiloe, Chile, Feb.'61. L. Pena/Holotipo/Holotype Echinopodium vockerothi Duret, CNC No. 17069/C18/Echinopodium vockerothi sp.n. Det. J.P. Duret, 1975.

Paratype: 2♂♂, Chile.

Remarks: The holotype has two microslide mounts on pin: No. C18a, of terminalia, and No. C18b, of middle coxa. The paratypes have the microslide mounts on pin: No. C156a, of terminalia; C156b, of middle coxa; and No. C167, of terminalia.

*Empalia disjuncta* Garrett, 1925, Seventy new Diptera, p. 11. CANADA.

Holotype ♂: Marysville, B.C., Aug 1, C. Garrett/5003 hypo/Holotype Empalia disjuncta Garrett, CNC No. 7882/Monotype Empalia disjuncta Garrett, C.B.D. Garrett.

Remarks: The abdomen is mounted on microscope slide No. 5003.

*Eudicrana plexipus* Garrett, 1925, Sixty-one new Diptera, p. 4. CANADA.

Holotype ♀: Vancouver, B.C., 27.3.15/Holotype Eudicrana plexipus Garrett, CNC No. 7849/Wing 2693/Monotype Eudicrana perplexus [sic] Garrett, C.B.D. Garrett.

Remarks: The abdomen is stored in a glass microvial pinned with specimen. Both wings are mounted on a microscope slide.

*Exechia stricklandi* Fisher *in* Strickland, 1946, Can. J. Res. Sect. D, Zool. Sci. 24: 161. CANADA.

Holotype ♂: Edmonton, Alta., 19.V.1937, E.H. Strickland/Holotype Exechia stricklandi Fisher, CNC No. 5039/Type Exechia stricklandi E.G. Fisher.

Remarks: This specimen is a Nomen nudum (see Stone *et al.* 1965, p. 1116). The apical portion of the abdomen and terminalia are stored in a glass microvial, pinned with specimen.

*Fungivora alexanderi* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 267. USA.

Paratypes: 1♂, 1♀, Ontario (Canada); 2♀♀, British Columbia (Canada), CNC No. 8876.

Remarks: The apical portion of the abdomen and terminalia of the male paratype are stored in a glass microvial pinned with the specimen.

*Fungivora arnaudi* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 222. USA.

Paratypes: 1♂, 2♀♀, California, CNC No. 8871.

*Fungivora bohemica* Laštovka, 1963, Čas. čsl. Spol. ent. 60(4): 323. CZECHOSLOVAKIA.

Paratypes: 1♂, 1♀, Czechoslovakia, CNC No. 17123.

*Fungivora brevitarsata* Laštovka, 1963, Čas. čsl. Spol. ent. 60(4): 320. CZECHOSLOVAKIA.

Paratypes: 1♂, 1♀, Czechoslovakia, CNC No. 17122.

*Fungivora caurina* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 224. USA.

Paratype: 1♂, British Columbia (Canada), CNC No. 8872.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen.

*Fungivora comata* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 196. USA.

Paratype: 1♂, Maryland, CNC No. 8911.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen.

*Fungivora concinna* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 235. USA.

Paratype: 1♂, Saskatchewan (Canada), CNC No. 8873.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen.

*Fungivora crassiseta* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 209. USA.

Paratype: 1♂, British Columbia (Canada), CNC No. 8868.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen.

*Fungivora cruciator* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 212. USA.

Paratypes: 2♂♂, Ontario (Canada), CNC No. 8869.

Remarks: The abdomen of one paratype is stored in a glass microvial pinned with the specimen.

*Fungivora discors* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 265. USA.

Paratypes: 1♂, 2♀♀, Ontario (Canada), CNC No. 8875.

*Fungivora fisherae* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 180. USA.

Paratypes: 4♂♂, 4♀♀, Iowa; 3♂♂, 5♀♀, Quebec (Canada); 4♂♂, 6♀♀, Ontario (Canada); 11♂♂, 4♀♀, British Columbia (Canada), CNC No. 8866.

Remarks: Two male paratypes each have the abdomen stored in a glass microvial pinned with specimen.

*Fungivora recula* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 217. USA.

Paratype: 1♂, California, CNC No. 8870.

*Fungivora sepulta* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 175. USA.

Paratypes: 1♀, Iowa; 1♂, Quebec (Canada); 1♂, Manitoba (Canada); 1♀, Saskatchewan (Canada), CNC No. 8865.

Remarks: One male paratype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.

*Fungivora shawi* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 273. USA.

Paratypes: 1♂, Quebec (Canada); 1♂, 1♀, British Columbia (Canada), CNC No. 8878.

Remarks: The abdomen of one male paratype is stored in a glass microvial pinned with the specimen.

***Fungivora stricklandi*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 251. USA.

Allotype ♀: Christopher L. Sask., 10.VIII.1948, A.R. Brooks/Allotype Fungivora stricklandi Laffoon, CNC No. 8874/Allotype ♀ Fungivora stricklandi Jean Laffoon 1957.

Paratype: 1♂, Alberta (Canada).

Remarks: The apical portion of the abdomen and terminalia of the paratype are stored in a glass microvial pinned with the specimen.

***Fungivora vegeta*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 192. USA.

Paratypes: 3♂♂, 2♀♀, Iowa, CNC No. 8867.

***Fungivora venusta*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 290. USA.

Paratypes: 1♀, Iowa; 3♂♂, 1♀, Ontario (Canada); 2♂♂, Saskatchewan (Canada), CNC No. 8879.

Remarks: Two of the male paratypes each have the abdomen stored in a glass microvial pinned with the specimen.

***Fungivora verecunda*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 270. USA.

Paratypes: 2♂♂, 1♀, Iowa, CNC No. 8877.

***Gnoriste macroides*** Curran, 1927, Can. Ent. 59: 79. CANADA.

Holotype ♂: Orillia, Ont., 5.VI.1925, C.H. Curran/Holotype Gnoriste macroides Curran, CNC No. 2365/Gnoriste macroides Curran, Det. C.H. Curran.

Paratype: 1♂, Quebec.

***Leia cephala*** Garrett, 1925, Seventy new Diptera, p. 11. CANADA.

Syntypes: 2♀♀, CNC No. 7883. "♀"; Marysville, B.C., 1.VIII., C. Garrett/Holotype Leia cephala ♀ C.B.D. Garrett."♀"; Marysville, B.C., 17.VII., C. Garrett/Paratype Leia cephala ♀ C.B.D. Garrett.

Remarks: In the original description Garrett indicates type with number 172, Garrett collection. However, the specimen labeled as the holotype has no number associated with it. Therefore, I consider both specimens as syntypes.

***Leia hemiata*** Garrett, 1925, Sixty-one new Diptera, p. 11. CANADA.

Holotype ♂: Bull River, B.C., 24.VI./C. Garrett Collector/5243 hypo/Holotype Leia hemiata Garrett, CNC No. 7877/Holotype Leia hemiater [sic] Garrett, C.B.D. Garrett.

Allotype ♀: Same data as holotype.

Remarks: The holotype has the apical portion of the abdomen and terminalia mounted on microscope slide No. 5243.

***Leia shermani*** Garrett, 1925, Sixty-one new Diptera, p. 11. CANADA.

Holotype ♀: Agassiz, B.C., 3.VI.17 1642/ Holotype Leia shermani Garrett, CNC No. 7878/Monotype Leia shermani Garrett, C.B.D. Garrett.

***Loicia basifurca*** Vockeroth, 1980, Can. Ent. 112: 531. CANADA.

Holotype ♂: Mt. Thornhill, nr. Terrace, B.C., 26.VII.1960, B. Heming/elev. 1500' ex. wet hollow along trail/Holotype Loicia basifurca Vockeroth, CNC No. 16050/Idema illustration/Slide J.R.V., 1.V.74, No. A.

Remarks: The apical portion of the abdomen and terminalia of the holotype are stored in a microvial pinned with the specimen. The head of the holotype is mounted on a microscope slide.

***Lygistorrhina sanctaecatharinae*** Thompson, 1975, Proc. ent. Soc. Wash. 77(4): 442. USA.

Paratype: 3♂♂, 1♀, Georgia, CNC No. 17070.

Remarks: One paratype has the left wing mounted on a microscope slide.

***Macrocera bicolor*** Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.

Holotype ♀: Cranbrook, B.C., 10.VIII./Holotype Macrocera bicolor Garrett, CNC No. 7867/Holotype Macrocera bicolor Garrett, C.B.D. Garrett.

***Macrocera distincta*** Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.

Holotype ♂: Cranbrook, B.C., 16.VII.21/Holotype Macrocera distincta Garrett, CNC No. 7871/Holotype Macrocera distincta Garrett, C.B.D. Garrett.

Allotype ♀: Same data as holotype.

Paratypes: 5♂♂, 1♀, British Columbia.

***Macrocera insignis*** Vockeroth, 1976, Can. Ent. 108: 1232. USA.

Holotype ♂: Lakes of the Clouds, 5000' 9.VIII.1954/Mt. Washington N.H., Becker, Munroe & Mason/Holotype Macrocera insignis Vockeroth, CNC No. 17041/Slide JRV. 30.VII.75 No. R. ta 1/Holotype Macrocera insignis Vock.

Remarks: The holotype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen. The right middle tarsi and tibia of holotype are mounted on microscope slide No. R ta 1.

***Macrocera pilosa*** Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.

Holotype ♀: Cranbrook, B.C., 26.VI.21/C. Garrett Collector/4257/Holotype Macrocera pilosa Garrett, CNC No. 7869/Monotype Macrocera pilosa Garrett, C.B.D. Garrett.

***Macrocera similis*** Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.

Holotype ♀: Michel, B.C., 7.IX./Wilson Creek/C. Garrett Collector/Holotype Macrocera similis Garrett, CNC No. 7872/Macrocera similis Garrett, C.B.D. Garrett.

***Macrocera summatis*** Vockeroth, 1976, Can. Ent. 108: 1232. SWEDEN.

Holotype ♂: Pajala, Nb. Sweden, 27.VII.1951, J.R. Vockeroth/Holotype Macrocera summatis Vockeroth, CNC No. 17042/Slide JRV., 26.VII.74, No. A ta 1/Holotype Macrocera summatis Vockeroth.

Remarks: The holotype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen. The left fore tarsi of holotype is mounted on microscope slide No. JRV 30. VII. 75 A.

***Macrocera uniqua*** Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
**Holotype ♂:** Cranbrook, B.C., 14.VII./Holotype Macrocera uniqua Garrett, CNC No. 7868/Holotype Macrocera uniqua ♂ Garrett, C.B.D. Garrett.
**Allotype ♀:** Caulfields, B.C., 24.V.17, 1512/Allotype Macrocera uniqua Garrett, CNC No. 7868/Allotype Macrocera uniqua Garrett, C.B.D. Garrett.
**Remarks:** The abdomen and both hind legs are missing from the allotype.

***Macrocera variola*** Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.
**Holotype ♂:** 1739/Holotype Macrocera variola Garrett, CNC No. 7866/Holotype Macrocera variola ♂ Garrett, C.B.D. Garrett/ Mycetophlid [sic] genus Macrocera possibly n.n.s.
**Allotype ♀:** Cranbrook, B.C., 0.VII./Allotype Macrocera variola Garrett, CNC No. 7866/Allotype Macrocera variola Garrett, C.B.D. Garrett.
**Paratypes:** 7♂♂, 6♀♀, British Columbia.
**Remarks:** The terminalia of one male paratype are mounted on microscope slide No. 5474.

***Macrocera villosa*** Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
**Holotype ♂:** Fernie, B.C., 17.VI./C. Garrett Collector/Holotype Macrocera villosa Garrett, CNC No. 7870/Holotype Macrocera vilosa [sic] Garrett, C.B.D. Garrett.
**Allotype ♀:** Same data as holotype, except 1 July.

***Mycetophila alacalufesi*** Duret, 1980, An. Inst. Pat. 2: 304. ARGENTINA.
**Paratype:** 1♂, Chile, CNC No. 19413.

***Mycetophila alberta*** Curran, 1927, Can. Ent. 59: 80. CANADA.
**Holotype ♀:** Edmonton, Alta., 5.V.1925, E.H. Strickland/Holotype Mycetophila alberta Curran, CNC No. 2417.

***Mycetophila bertae*** Duret, 1979, An. Inst. Pat. 10: ARGENTINA.
**Paratype:** 1♂, Argentina, CNC No. 19416.

***Mycetophila britannica*** Lastovka & Kidd, 1975, Entomologists' mon. Mag. (1974) 110: 203. ENGLAND.
**Paratypes:** 21♂♂, 5♀♀, England, CNC No. 17121.

***Mycetophila monochaeta*** Loew, 1869, Berl. ent. Z. 13: 158. USA.
**Paralectotype:** 1♂, District Columbia, CNC No. 2141.
**Remarks:** For lectotype designation see Laffoon (1957 (1956), p. 206).

***Mycetophila schajovskoyi*** Duret, 1980, An. Inst. Pat. 2: 309. ARGENTINA.
**Paratype:** 1♂, Argentina, CNC No. 19414.

***Mycetophila vianai*** Duret, 1980, Revta Soc. ent. argent. 39(3-4): 152. ARGENTINA.
**Paratype:** 1♂, Chile, CNC No. 19411.

***Mycomya abegena*** Väisänen, 1984, Acta. ent. fenn. 177: 167. CANADA.
**Paratypes:** 3♂♂, California, CNC No. 19455.

***Mycomya accrescens*** Väisänen, 1984, Acta ent. fenn. 177: 220. USA.
**Paratypes:** 5♂♂, Quebec (Canada); 1♂, Ontario (Canada); 4♂♂, British Columbia (Canada), CNC No. 19451.

***Mycomya aluco*** Väisänen, 1984, Acta ent. fenn. 177: 108. CANADA.
**Holotype ♂:** Squamish, B.C. Diamond Head Trail, 3200 ft. Aug. 1-2, 1953, G.J. Spencer/ Holotype Mycomya aluco Väisänen, CNC No. 19450/Holotype Mycomya aluco ♂ n.sp. Väisänen, 1984/Mycomya aluco ♂ R. Väisänen det. 1980.
**Remarks:** The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with specimen.

***Mycomya ampla*** Garrett, 1924, Insecutor Inscit. menstr. 12: 64. CANADA.
**Holotype ♂:** Hot Springs rd., Banff, Alta., July 17.08 N.B.S./Hypo 4955/Holotype Mycomya ampla Garrett, CNC No. 7830/Holotype Mycomya ampla ♂ C. Garrett, C.B.D. Garrett.
**Paratype:** 1♂, British Columbia.
**Remarks:** The terminalia of the holotype are mounted on microscope slide No. 4955. The remainder of the abdomen is glued to the cork double-mount. The paratype has the abdomen and terminalia stored in a plastic microvial pinned with specimen.

***Mycomya aneura*** Väisänen, 1984, Acta ent. fenn. 177: 159. CANADA.
**Paratypes:** 1♂, Quebec; 1♂, Ontario; 15♂♂, 5♀♀, Manitoba; 2♂♂, Northwest Territories, CNC No. 19434.

***Mycomya arcuata*** Väisänen, 1984, Acta ent. fenn. 177: 186. USA.
**Paratypes:** 3♂♂, British Columbia (Canada), CNC No. 19449.

***Mycomya armata*** Garrett, 1924, Insecutor Inscit. menstr. 12: 163. CANADA.
**Holotype ♂:** Caulfields, B.C., 5.5.17/Hy. wing 5278/Holotype Mycomya armata Garrett, CNC No. 7839/Holotype Mycomya armata ♂ C. Garrett, C.B.D. Garrett.
**Remarks:** The abdomen, head and left wing are missing from the holotype. The terminalia of holotype were originally mounted under a glass cover-slip on microscope slide No. 5278. However, the glass cover-slip and terminalia have been removed from slide and placed in a microvial taped to the slide.

***Mycomya atus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 159. CANADA.
**Lectotype ♂:** Savary Id. [Island], B.C. 8.4.17 (reverse side) 339/5270/Hypo slide/Lectotype Mycomya atus desig. Väisänen, CNC No. 7834/Holotype Mycomya atus ♂ C. Garrett, C.B.D. Garrett/My. atus/Lectotypus Mycomya atus ♂ Garrett.
**Paralectotype:** 1♂, British Columbia.
**Remarks:** For lectotype designation see Väisänen (1984, p. 51). The lectotype and paralectotype have the abdomen and terminalia mounted on microscope slide Nos. 5270 and 5274 respectively.

***Mycomya autumnalis*** Garrett, 1924, Insecutor Inscit. menstr. 12: 160. CANADA.

Lectotype ♂: Michel, B.C., 27.X/Wilson Creek/C. Garrett Collector/5255/Hypo slide/Lectotype Mycomya autumnalis, CNC No. 7835/ Holotype Mycomya autumnalis ♂ C. Garrett, C.B.D. Garrett/My. autumnalis/ Lectotypus Mycomya autumnalis ♂ Garrett.

Remarks: For lectotype designation see Väisänen (1984, p. 150). The date on the slide, 27.IX., and the slide No., 5285, differ from that of the pinned specimen, 27.X., and No., 5255.

*Mycomya byersi* Väisänen, 1984, Acta ent. fenn. 177: 315. USA.

Paratypes: 1♂, New York; 2♂♂, Nova Scotia (Canada); 30♂♂, Quebec (Canada), CNC No. 19430.

*Mycomya canoak* Väisänen, 1984, Acta ent. fenn. 177: 200. USA.

Paratypes: 1♂, Arizona, CNC No. 19456.

*Mycomya cranbrooki* Garrett, 1924, Insecutor Inscit. menstr. 12: 61. CANADA.

Holotype ♂: Cranbrook, B.C., 27.IV.22/C. Garrett Collector/Hypo 5279/Holotype Mycomya cranbrooki Garrett, CNC No. 7826/Holotype Mycomya terminata var. cranbrooki C. Garrett, C.B.D. Garrett.

Remarks: The terminalia are mounted on microscope slide No. 5279. The date on the pinned holotype and slide is 27.IV.1922, not 27 May as indicated in original description.

*Mycomya difficilis* Garrett, 1924, Insecutor Inscit. menstr. 12: 65. CANADA.

Lectotype ♂: Cranbrook, B.C., 2.V.18/C. Garrett Collector/5257/G/ difficilis ♂/Lectotype Mycomya difficilis desig. Väisänen, CNC No. 7832/Lectotypus Mycomya difficilis ♂ Garrett/Mycomya difficilis ♂ Garr., det. R. Väisänen 1982.

Paralectotypes: 2♂♂, 1♀, British Columbia.

Remarks: For lectotype designation see Väisänen (1984, p. 163). The lectotype has the terminalia stored in glycerine in a plastic microvial pinned with specimen; the lectotype has the head missing. Väisänen selected as lectotype a specimen different from that labeled by Garrett as holotype. Both male paralectotypes have the terminalia stored in glass microvials containing glycerine. One is pinned with the specimen, the other was originally mounted on a microscope slide but has since been removed and placed in a microvial scotch- taped to slide.

*Mycomya disa* Väisänen, 1984, Acta ent. fenn. 177: 120. FINLAND.

Paratype: 1♂, Sweden, CNC No. 19458.

*Mycomya durus* Garrett, 1924, Insecutor Inscit. menstr. 12: 162. CANADA.

Holotype ♂: Vancouver, B.C., 10.XI.17/R.S. Sherman, No. 2513/5269/Hypo slide/Holotype Mycomya durus Garrett, CNC No. 7838/ Holotype Mycomya durus ♂ C. Garrett, C.B.D. Garrett/My. durus.

Remarks: The holotype has its abdomen and terminalia mounted on microscope slide No. 5269.

*Mycomya echinata* Garrett, 1924, Insecutor Inscit. menstr. 12: 161. CANADA.

Lectotype ♂: Michel, B.C., 8.VIII./Hypo 4837/Lectotype Mycomya echinata desig. Väisänen, CNC No. 7837/Holotype Mycomyia [sic] echinata ♂ C. Garrett, C.B.D. Garrett/Lectotype Mycomya echinata ♂ Garrett.

Paralectotypes: 3♂♂, British Columbia.

Remarks: For lectotype designation see Väisänen (1984, p. 150). The lectotype and 3 paralectotypes have the terminalia mounted on microscope slide No. 4837 (lectotype), and Nos 1185, 5271, and 5272 (paralectotypes).

*Mycomya esox* Väisänen, 1984, Acta ent. fenn. 177: 314. USA.

Holotype ♂: Rabun Co., Ga., 13.VII.1957, W.R. Richards/Holotype Mycomya esox Väisänen, CNC No. 19437/Holotype Mycomya esox ♂ n.sp. Väisänen, 1984/Mycomya esox ♂ R. Väisänen det. 1981.

Paratypes: 1♂, Georgia; 1♂, 2♀♀, North Carolina; 2♂♂, 1♀, Ohio.

Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

*Mycomya hackmani* Väisänen, 1984, Acta ent. fenn. 177: 119. FINLAND.

Paratypes: 2♂♂, Austria; 2♂♂, Sweden, CNC No. 19457.

*Mycomya hamatus* Garrett, 1924, Insecutor Inscit. menstr. 12: 160. CANADA.

Holotype ♂: Michel, B.C., 5200 ft 22.VIII./ Wilson Creek forks/Hypo 4963/ Holotype Mycomya hamatus Garrett, CNC No. 7836/Holotype Mycomya hamatus ♂ C. Garrett, C.B.D. Garrett/My. hamatus.

Remarks: There is a slide with the same data as the holotype and No. 4963, in Garrett's handwriting. According to the original description, the terminalia of the holotype are not mounted on a microscope slide.

*Mycomya humidus* Garrett, 1924, Insecutor Inscit. menstr. 12: 62. CANADA.

Holotype ♂: Michel, B.C., 5200 ft, 24.IX./Wilson Creek N. fork/C. Garrett Collector/Hypo 4961/Holotype Mycomya humidus Garrett, CNC No. 7827/Holotype Mycomya humidus ♂ C. Garrett, C.B.D. Garrett.

Paratype: 1♀, British Columbia.

Remarks: The terminalia of the holotype are mounted on microscope slide No. 4961. The paratype has an allotype label; however, it is in handwriting other than Garrett's.

*Mycomya imperatrix* Väisänen, 1984, Acta ent. fenn. 177: 73. USA.

Holotype ♂: U.S.A., Ore., Josephine Co., O'Brien, 5.VI.1965, F. Schmid/Holotype Mycomya imperatrix Väisänen, CNC No. 19440/Holotype Mycomya imperatrix ♂ n.sp. Väisänen, 1984/Mycomya imperatrix ♂ R. Väisänen det. 1981.

Paratypes: 1♂, California; 1♂, British Columbia (Canada).

Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

*Mycomya islandica* Väisänen, 1984, Acta ent. fenn. 177: 126. FINLAND.

Paratypes: 1♂, Sweden; 1♂, Manitoba (Canada); 1♂, Yukon Territory (Canada), CNC No. 19445.

*Mycomya leporina* Väisänen, 1984, Acta ent. fenn. 177: 194. CANADA.
Holotype ♂: N.W.T. 21 m.e., Tuktoyaktuk, 17-21.VII.71, D.M. Wood/Holotype Mycomya leporina Väisänen, CNC No. 19448/Holotype Mycomya leporina ♂ n.sp. Väisänen, 1984/Mycomya leporina ♂ R. Väisänen det. 1980.
Paratypes: 1♂, Labrador; 3♂♂, Quebec; 1♂, Manitoba; 4♂♂, British Columbia; 1♂, Northwest Territories.

*Mycomya lividella* Väisänen, 1984, Acta ent. fenn. 177: 239. CANADA.
Holotype ♂: Fort Churchill, Man., 21.VIII.1952, J.G. Chillcott/Ecological data f.E 21/ Holotype Mycomya lividella Väisänen, CNC No. 19432/Holotype Mycomya lividella ♂ n.sp. Väisänen 1984.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

*Mycomya lutealis* Väisänen, 1984, Acta ent. fenn. 177: 281. CANADA.
Holotype ♂: Kleanza Creek, 14 mi. E. Terrace, B.C., 30.VI.1960, J.G. Chillcott/wet, scrubby clearing/Holotype Mycomya lutealis Väisänen, CNC No. 19454/Holotype Mycomya lutealis ♂ n.sp. Väisänen, 1984/Mycomya lutealis ♂ n.sp. det. R. Väisänen 1982.
Paratype: 1♂, British Columbia.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

*Mycomya macateei* Väisänen, 1984, Acta ent. fenn. 177: 275. USA.
Holotype ♂: Rabun Bald, Ga., Rabun Co., 3000', 14.VII.1957, J.G. Chillcott/Holotype Mycomya macateei Väisänen, CNC No. 19426/Holotype Mycomya macateei n.sp. ♂ Väisänen, 1984/Mycomya macateei ♂ R. Väisänen det. 1981.
Paratypes: 11♂♂, Georgia; 7♂♂, North Carolina; 2♂♂, Quebec (Canada); 1♂ Ontario (Canada).

*Mycomya magna* Garrett, 1924, Insecutor Inscit. menstr. 12: 64. CANADA.
Lectotype ♂: Fernie, B.C., 21.VII./C. Garrett Collector/Hy. Hed. Legs 5239/Lectotype Mycomya magna desig. Väisänen, CNC No. 7829/Holotype Mycomyia [sic] magna ♂ C. Garrett, C.B.D. Garrett/Lectotypus Mycomya magna ♂ Garrett.
Paralectotypes: 5♂♂, 3♀♀, British Columbia.
Remarks: For lectotype designation see Väisänen (1984, p. 187). The terminalia of the holotype are mounted on one microscope slide No. 5239. The head and 3 legs are mounted on another slide with same No. 5239.

*Mycomya magnifica* Väisänen, 1984, Acta ent. fenn. 177: 76. CANADA.
Holotype ♂: Old Chelsea, Que., 1.X..1963, J.R. Vockeroth/Holotype Mycomya magnifica Väisänen, CNC No. 19439/Holotype Mycomya magnifica ♂ n.sp. Väisänen, 1984/Mycomya magnifica ♂ R. Väisänen det. 1981.
Paratypes: 2♂♂, Quebec; 1♂, Colorado; 1♂, North Carolina.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

*Mycomya matrona* Väisänen, 1984, Acta ent. fenn. 177: 53. CANADA.
Holotype ♂: Old Chelsea, Que., 1.X.1963, J.R. Vockeroth/Holotype Mycomya matrona Väisänen, CNC No. 19433/Holotype Mycomya matrona ♂ n.sp. Väisänen, 1984/Mycomya matrona ♂ 1981 R. Väisänen det.
Allotype ♀: Old Chelsea, Que., Oct 16 1969, J.F. McAlpine/Summit of King Mt., 1150'/Allotype Mycomya matrona Väisänen, CNC No. 19433/Mycomya matrona ♀ 1981, R. Väisänen det.
Remarks: The holotype and allotype have the terminalia of both specimens dissected and stored in glycerine in plastic microvials that are pinned with the respective specimen.

*Mycomya midea* Väisänen, 1984, Acta ent. fenn. 177: 290. USA.
Holotype ♂: Pisgah Forest, N.C., Looking Glass Pk., 19.VII.1957, W.R. Richards/Holotype Mycomya midea Väisänen, CNC No. 19436/Holotype Mycomya midea ♂ n.sp. Väisänen, 1984/Mycomya midea ♂ Vais., det. R. Väisänen 1982.
Paratypes: 1♂, North Carolina; 1♂, Ontario (Canada).
Remarks: The terminalia of the holotype are stored in glycerine in a plastic microvial pinned with the specimen.

*Mycomya neohyalinata* Väisänen, 1984, Acta. ent. fenn. 177: 145. FINLAND.
Paratype: 1♂, Sweden; 1♂, Alaska; 1♂, Manitoba (Canada), CNC No. 19427.

*Mycomya neolittoralis* Väisänen, 1984, Acta ent. fenn. 177: 319. FINLAND.
Paratypes: 1♂, Quebec; 4♂♂, Ontario; 13♂♂, Tennessee; 26♂♂, North Carolina, CNC No. 19447.

*Mycomya novagallica* Väisänen, 1984, Acta ent. fenn. 177: 74. CANADA.
Holotype ♂: Beechgrove, Que., 2.X.1964, 45°39', 76°8', J.R. Vockeroth/Holotype Mycomya novagallica Väisänen, CNC No. 19443/ Holotype Mycomya novagallica ♂ n.sp. Väisänen, 1984/Mycomya novagallica ♂ R. Väisänen det. 1981.
Paratypes: 2♂♂, Quebec.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

*Mycomya ostensackeni* Väisänen, 1984, Acta ent. fenn. 177: 79. CANADA.
Holotype ♂: Ninette, Manitoba, 5.VIII.1958, J.G. Chillcott/Moist ash woods/Holotype Mycomya ostensackeni Väisänen, CNC No. 19438/ Holotype Mycomya ostensackeni ♂ n.sp. Väisänen, 1984/Mycomya ostensackeni ♂ R. Väisänen det. 1981.
Paratypes: 3♂♂, Quebec; 1♂, Ontario.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

***Mycomya oviducta*** Garrett, 1924, Insecutor Inscit. menstr. 12: 164. CANADA.
Syntypes: 4♀♀, CNC No. 7841.
"♀"; Michel, B.C., 24.IX., 5200 ft/Wilson Creek, N. Fork/Holotype Boletina oviducta ♀, C.B.D. Garrett/C. Garrett, Collector.
"3♀♀"; Michel, B.C., 24.IX., 5200 ft/Wilson Creek, N. Fork/Paratype Boletina oviducta ♀, C.B.D. Garrett/C. Garrett Collector.
Remarks: Since no holotype was indicated in the original description, all six specimens in the type series are syntypes. However, Garrett did label one female as the holotype.

***Mycomya permixta breviseta*** n.ssp. Väisänen, 1984, Acta ent. fenn. 177: 303. USA.
Paratypes: 11♂♂, Saskatchewan (Canada); 1♂, Alberta (Canada); 2♂♂, British Columbia (Canada), CNC No. 19446.

***Mycomya polleni*** Garrett, 1924, Insecutor Inscit. menstr. 12: 65. CANADA.
Lectotype ♂: Cranbrook, B.C., 6.VII./Hypo 2551/Lectotype Mycomya polleni desig. Väisänen, CNC No. 7831/Holotype Mycomyia [sic] polleni ♂ C. Garrett, C.B.D. Garrett/Lectotypes Mycomya polleni ♂ Garrett.
Paralectotypes: 4♂♂, British Columbia.
Remarks: For lectotype designation see Väisänen (1984, p. 157). The terminalia of the lectotype are mounted on microscope slide No. 2551. Two paralectotypes have the terminalia in plastic microvials pinned with the respective specimen. The terminalia of the one paralectotype are mounted on microscope slide No. 2553.

***Mycomya praeda*** Väisänen, 1984, Acta ent. fenn. 177: 323. USA.
Paratypes: 1♂, Ontario (Canada); 2♂♂, Manitoba (Canada), CNC No. 19428.

***Mycomya pura*** Väisänen, 1984, Acta ent. fenn. 177: 251. USA.
Holotype ♂: Keene Valley, Essex Co., N.Y., 1200' 20.VII.62, J.R. Vockeroth/Holotype Mycomya pura Väisänen, CNC No. 19429/Holotype Mycomya pura ♂ n.sp. Väisänen, 1984.
Paratypes: 4♂♂, 2♀♀, Georgia; 28♂♂, 9♀♀, North Carolina; 2♂♂, Virginia; 2♂♂, Tennessee; 4♂♂, 3♀♀, Maryland; 4♂♂, Massachusetts; 2♂♂, New York; 7♂♂, 1♀, Nova Scotia (Canada); 11♂♂, 5♀♀, Quebec (Canada); 3♂♂, Ontario (Canada); 2♂♂, British Columbia (Canada).

***Mycomya pyriformis*** Väisänen, 1984, Acta ent fenn. 177: 222. CANADA.
Holotype ♂: Old Chelsea, Que., 8.VIII.1961, J.R. Vockeroth/Holotype Mycomya pyriformis Väisänen, CNC No. 19431/Holotype Mycomya pyriformis ♂ n.sp. Väisänen, 1984/Mycomya pyriformis ♂ Väis. det. R. Väisänen 1982.
Paratypes: 1♂, New Brunswick; 1♂, Quebec; 2♂♂, Ontario.

***Mycomya safena*** Väisänen, 1984, Acta ent. fenn. 177: 133. USA.
Paratypes: 1♂, New York; 2♂♂, New Brunswick (Canada); 6♂♂, Quebec (Canada); 1♂, Manitoba (Canada), CNC No. 19435.

***Mycomya saga*** Väisänen, 1984, Acta ent. fenn. 177: 128. USA.
Paratypes: 4♂♂, British Columbia (Canada); 1♂, Northwest Territories (Canada), CNC No. 19444.

***Mycomya shermani*** Garrett, 1924, Insecutor Inscit. menstr. 12: 66. CANADA.
Lectotype ♂: Michel, B.C., 1.IX./C. Garrett Collector/5277/Hypo slide/Lectotype Mycomya shermani Väisänen, CNC No. 7833/Holotype Mycomya shermani Väisänen, CNC No. 7833/Holotype Mycomya shermani ♂ C. Garrett, C.B.D. Garrett/My. shermani/Lectotypus Mycomya shermani ♂ Garrett.
Paralectotype: 1♂, British Columbia.
Remarks: For lectotype designation see Väisänen (1984, p. 180). The terminalia of the lectotype are mounted on microscope slide No. 5277.

***Mycomya shewelli*** Väisänen, 1984, Acta ent. fenn. 177: 77. CANADA.
Holotype ♂: Hyndman L., N.W.T., 68°15N., 131°03W., 1.VIII.1969, G.E. Shewell/ Holotype Mycomya shewelli Väisänen, CNC No. 19441/Holotype Mycomya shewelli ♂ n.sp. Väisänen, 1984/Mycomya shewelli ♂ R. Väisänen det. 1981.
Paratypes: 4♂♂, 2♀♀, Manitoba.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with specimen. The remainder of abdomen is glued to the locality label. Both antennae are missing from the holotype.

***Mycomya terminata*** Garrett, 1924, Insecutor Inscit. menstr. 12: 60. CANADA.
Paralectotypes: 3♂♂, 1♀, British Columbia, CNC No. 7925.
Remarks: For lectotype designation see Väisänen (1984, p. 125). There are 2 additional specimens labeled as paratypes, but they are from localities not mentioned in the original description.

***Mycomya thula*** Väisänen, 1984, Acta ent. fenn. 177: 64. USA.
Holotype ♂: Unalakleet, Alaska, 15.VII.61, B.S. Heming/Holotype Mycomya thula Väisänen, CNC No. 19442/Holotype Mycomya thula ♂ n.sp. Väisänen, 1984.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with specimen.

***Mycomya ultima*** Väisänen, 1984, Acta ent. fenn. 177: 13. CANADA.
Holotype ♂: Eureka, N.W.T., Ellesmere I., 3.VIII.1963, J.R. Vockeroth/Holotype Mycomya ultima Väisänen, CNC No. 19452/Holotype Mycomya ultima ♂ n.sp. Väisänen, 1984.
Paratypes: 28♂♂, 6♀♀, Northwest Territories.

***Mycomya vulgaris*** Garrett, 1924, Insecutor Inscit. menstr. 12: 63. CANADA.
Lectotype ♂: Fernie, B.C., 22.VII./C. Garrett Collector/Lectotype Mycomya vulgaris desig. Väisänen, CNC No. 7828/Holotype Mycomyia [sic] vulgaris ♂ C. Garrett, C.B.D.

Garrett/Lectotypus Mycomya vulgaris ♂ Garrett.

Paralectotype: 46♂♂, 5♀♀, British Columbia.

Remarks: For lectotype designation see Väisänen (1984, p. 190). The right wing of one male paralectotype is mounted on microscope slide No. 182.

***Mycomya woodi*** Väisänen, 1984, Acta ent. fenn. 177: 145. USA.

Holotype ♂: Mt. Katahdin, ME., 4.VII.1968, D.M. Wood, Abol./Holotype Mycomya woodi Väisänen, CNC No. 19453/Holotype Mycomya woodi ♂ n.sp. Väisänen, 1984.

Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

***Neuratelia abrevena*** Garrett, 1925, Seventy new Diptera, p. 11. CANADA.

Syntypes: 1♂, 1♀, CNC No. 7881.

"♂"; Marysville, B.C., 1.VIII., C. Garrett/ Holotype Neuratelia abbrevena [sic] ♂ C.B.D. Garrett.

"♀"; Marysville, B.C., 1.VIII., C. Garrett/ Allotype Neuratelia abbrevena [sic] ♀ C.B.D. Garrett.

Remarks: In the original description Garrett indicates type with number 170, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore, I have considered both specimens as syntypes.

***Neuratelia grandis*** Garrett, 1925, Sixty-one new Diptera, p. 5. CANADA.

Holotype ♂: Marysville, B.C., 10.VII.24, C. Garrett/Holotype Neuratelia grandis Garrett, CNC No. 7852/Holotype Neuratelia grandis ♂ Garrett, C.B.D. Garrett.

Allotype ♀: Same data as holotype.

Paratypes: 3♂♂, British Columbia.

***Neuratelia obscura*** Garrett, 1925, Sixty-one new Diptera, p. 5. CANADA.

Holotype ♂: Cranbrook, B.C., 20.VII./C. Garrett Collector/Holotype Neuratelia obscura Garrett, CNC No. 7851/Holotype Neuratelia obscura Garrett, C.B.D. Garrett.

***Odontopoda distincta*** Garrett, 1925, Sixty-one new Diptera, p. 4. CANADA.

Holotype ♂: Agassiz, B.C., 3.VI.17, 1655/ Holotype Odontopoda distincta Garrett, CNC No. 7850/Monotype Odontopoda distincta Garrett, C.B.D. Garrett.

***Orfelia (Ralytupa) insidiosa*** Matile, 1974, Bull. Inst. fond. Afr. noire (1973) 35(A): 943. CAMEROON.

Paratypes: 2♂♂, Nigeria, CNC No. 17048.

Remarks: Both paratypes have the apical portion of the abdomen and terminalia stored in glass microvials pinned with the specimen.

***Parempheria lobayensis*** Matile, 1973, Stuttg. Beitr. Naturk. 250: 3. CENTRAL AFRICAN REPUBLIC.

Paratype: 1♂, Central African Republic, CNC No. 17052.

Remarks: The nominal year for publication of Matile's description is 1972, but according to Matile (1980, p. 225) and Smith, *et al.* (1980, p. 1073) the actual year of publication is 1973.

***Phronia agilis*** Gagné, 1975, Trans. Am. ent. Soc. 101: 244. CANADA.

Holotype ♂: North Fork Pass, Ogilvie Mts. Y.T., 4100' 13.VI.1962, R.E. Leech/Holotype Phronia agilis Gagné, CNC No. 17118/ Holotype Phronia agilis Gagné.

Paratypes: 1♂, Northwest Territories; 6♂♂, Yukon Territory; 1♂, Alaska (USA).

Remarks: The abdomen of the holotype and each paratype is in glycerine in a glass microvial pinned with the specimen.

***Phronia avida*** Gagné, 1975, Trans. Am. ent. Soc. 101: 244. USA.

Paratypes: 14♂♂, British Columbia (Canada), CNC No. 17118.

Remarks: The abdomen of one paratype is stored in a glass microvial pinned with the specimen.

***Phronia cupida*** Gagné, 1975, Trans. Am. ent. Soc. 101: 255. USA.

Paratype: 1♂, Tennessee, CNC No. 17114.

Remarks: The abdomen is in a glass microvial pinned with the specimen.

***Phronia dryas*** Gagné, 1975, Trans. Am. ent. Soc. 101: 259. USA.

Paratype: 1♂, Quebec (Canada), CNC No. 17115.

***Phronia effusa*** Gagné, 1975, Trans. Am. ent. Soc. 101: 260. USA.

Paratype: 1♂, Idaho, CNC No. 17116.

***Phronia oreas*** Gagné, 1975, Trans. Am. ent. Soc. 101: 282. USA.

Paratypes: 7♂♂, British Columbia (Canada), CNC No. 17119.

***Phronia terrea*** Gagné, 1975, Trans. Am. ent. Soc. 101: 293. CANADA.

Holotype ♂: Summit Lake, B.C., Mi. 392 Alaska Hwy., 2-4.VII.1959, 4500' R.E. Leech/ Holotype Phronia terrea Gagné, CNC No. 17120/Holotype Phronia terrea Gagné.

Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.

***Platyroptilon inca*** Duret, 1979, Revta Soc. ent. argent. 38(1-4): 76. PERU.

Holotype ♂: Quincemil, Cuzco, PERU, 700 m. 15-30.X.62, Pena/Holotype Platyroptilon inca Duret, CNC No. 19417/Holotypus/C280/ Platyroptilon inca sp.n. J.P. Duret, Det. 1979.

Remarks: The left wing, left antenna, and terminalia are mounted between two pieces of glass on three separate mounts pinned with the specimen.

***Platyroptilon lanei*** Duret, 1979, Revta Soc. ent. argent. 38(1-4): 76. ECUADOR.

Holotype ♂: Coca, Napo R., Napo, EUCADOR V.1965, 250 m, L. Pena/Holotype Platyroptilon lanei Duret, CNC No. 19415/ Holotypus/C286/Platyroptilon lanei sp.n. J.P. Duret, Det. 1979.

Remarks: The terminalia, left wing, and antenna are mounted between two pieces of glass; the mount is pinned with the specimen.

***Platyroptilon penai*** Duret, 1979, Revta Soc. ent. argent. 38(1-4): 75. PERU.

Holotype ♂: Avispas, Madre de Dios, PERU, 1-15.X.1962, L. Pena, 400 m/Holotype

Platyroptilon penai Duret, CNC No. 19418/Holotyphus/C278/ Platyroptilon penai sp.n. J.P. Duret, Det. 1979.
Remarks: The left wing, left antenna, and terminalia are mounted between two pieces of glass on three separate mounts pinned with the specimen.

***Platyroptilon vockerothi*** Duret, 1979, Revta Soc. ent. argent. 38(1-4): 75. PERU.
Holotype ♂: Quiacemil Cuzco, PERU, 13-31.VIII.62, L. Pena, 780 m./Holotype Platyroptilon vockerothi Duret, CNC No. 19418/Holotypus/C281/Platyroptilon vockerothi sp.n. J.P. Duret, Det. 1979.
Paratype: 1♂, Peru.
Remarks: The left wing, left antenna, and terminalia of the holotype are mounted between two pieces of glass on three separate mounts pinned with the specimen.

***Ralytupa angusta*** Matile, 1975, Annls. Soc. ent. Fr. (N.S.) 11(1): 184. SIERRA LEONE.
Paratypes: 6♂♂, 3♀♀, Nigeria, CNC No. 17046.
Remarks: Eight of nine paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.

***Ralytupa compacta*** Matile, 1975, Annls. Soc. ent. Fr. (N.S.) 11(1): 189. NIGERIA.
Holotype ♂: Ibadan, Nigeria, 8.VII.1962, Malaise trap, D.C. Eidt/Holotype/Holotype Ralytupa compacta, Matile, CNC No. 17047/Orfelia (Ralytupa) compacta n.sp. ♂ holotype det. L. Matile, 1973.
Paratype: 1♂, Nigeria.
Remarks: The apical portion of the abdomen and terminalia of the holotype are stored in a glass microvial pinned with the specimen.

***Ralytupa nasuta*** Matile, 1975, Annls. Soc. ent. Fr. (N.S.) 11(1): 209. NIGERIA.
Holotype ♂: Ibadan, Nigeria, 11.VII.1962, Malaise trap, D.C. Eidt/Holotype/Holotype Ralytupa nasuta Matile, CNC No. 17049/Orfelia (Ralytupa) nasuta n.sp. ♂ holotype, det. L. Matile 1973.
Allotype ♀: Same data as holotype except 8.VII.1962.
Paratypes: 6♂♂, Nigeria.
Remarks: The apical portion of the abdomen and terminalia of the holotype, allotype, and one paratype, are stored in glass microvials pinned with the specimen.

***Ralytupa simplicistyla*** Matile, 1975, Annls. Soc. ent. Fr. (N.S.) 11(1): 212. UGANDA.
Holotype ♂: Entebbe, Uganda, 16.X.1971, Lakeside swamp, H. Falke/Holotype/Holotype Ralytupa simplicistyla Matile, CNC No. 17050/Orfelia (Ralytupa) simplicistyla n.sp. ♂ holotype, det. L. Matile 1973.
Allotype ♀: Same data as holotype except, 9.XI.1971, Malaise trap.
Remarks: The apical portion of the abdomen and terminalia of the holotype and allotype are stored in glass microvials pinned with the respective specimen.

***Ralytupa subminor*** Matile, 1975, Annls. Soc. ent. Fr. (N.S.) 11(1): 214. NIGERIA.
Holotype ♂: Ibadan, Nigeria, 12.VII.1962, Malaise trap, D.C. Eidt/Holotype/Holotype Ralytupa subminor Matile, CNC No. 17051/Orfelia (Ralytupa) subminor n.sp. ♂ holotype, det. L. Matile 1973.
Allotype ♀: Same data as holotype.
Paratype: 81♂♂, 7♀♀, Nigeria.
Remarks: The apical portion of the abdomen and terminalia of the holotype, allotype, and 8 paratypes, are stored in glass microvials pinned with the specimen.

***Rhymosia brevicornis*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 19. CANADA.
Holotype ♂ Van., B.C., 28.4.17, 928/Type/ Rhymosia brevicornis ♂, R.S. Sherman, CNC No. 7957.
Remarks: This species was apparently described from a single male specimen which may be considered the holotype.

***Rhymosia faceta*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 18. CANADA.
Syntypes: 3 ♂♂, CNC No. 7954.
"♂"; Van., B.C., 11.2.17, 105/Type/Rhymosia faceta ♂ R.S. Sherman/Syntype Rhymosia faceta Sherman, CNC No. 7954.
"♂"; Van., B.C., 12.2.17, 112/Rhymosia faceta ♂ R.S. Sherman/Syntype Rhymosia faceta Sherman, CNC No. 7954.
"♂"; Van., B.C., 5.3.17, 176/Rhymosia faceta ♂ R.S. Sherman/Syntype Rhymosia faceta Sherman, CNC No. 7954.
Remarks: Since no holotype was designated in the original description, the three specimens in the type series are syntypes.

***Rhymosia pectinata*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 19. CANADA.
Syntype: 1 ♂, Savary Id., [B.C.] 9.4.17, 398/Type/Rhymosia pectinata ♂, R.S. Sherman, CNC No. 7956.
Remarks: The original description does not clearly indicate how many specimens Sherman had before him. There is only one specimen present in the CNC at this time; I consider it to be a syntype.

***Rhymosia plumosa*** Van Duzee, 1928, Proc. Calif. Acad. Sci. Ser. 4, 17(2): 49. USA.
Paratype: 1♂, California, CNC No. 17088.

***Rhymosia prolixa*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 18. CANADA.
Syntypes: 5♂♂, CNC No. 7953.
"2 ♂♂"; Savary Id., B.C., 8.7.17/Rhymosia prolixa ♂ R.S. Sherman/Syntype Rhymosia prolixa Sherman, CNC No. 7953.
"3 ♂♂"; Savary Id., [B.C.] 15.4.17, 718, 736, 738/Rhymosia prolixa ♂ R.S. Sherman/ Syntype Rhymosia prolixa Sherman, CNC No. 7953.
Remarks: Since no holotype was selected in the original description, all five specimens in the type series are syntypes.

***Rhymosia seminigra*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 18. CANADA.
Syntypes: 1♂, 2♀♀, CNC No. 7955.
"♂"; Van., B.C., 29.3.18/Type/Rhymosia seminigra ♂ R.S. Sherman/Syntype Rhymosia seminigra Sherman, CNC No. 7955.

"♀"; Van., B.C., 29.3.18/Rhymosia seminigra ♀ R.S. Sherman/Syntype Rhymosia seminigra Sherman, CNC No. 7955.
"♀"; Van., B.C., 20.X.17/Rhymosia seminigra ♀ R.S. Sherman/Syntype seminigra Sherman, CNC No. 7955.
Remarks: Since no holotype was selected in the original description, all six specimens in the type series are syntypes.

***Robsonomyia reducta*** Matile & Vockeroth, 1980, Can. Ent. 112: 548. CANADA.
Holotype ♂: Robson, B.C., 3.VII.1947, H.R. Foxlee/Holotype Robsonomyia reducta M.&V., CNC No. 16078/Slide JRV., 29.VII.76.
Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen. The head and left wing of the holotype are mounted on a microscope slide.

***Sceptonia autumnalis*** Garrett, 1925, Seventy new Diptera, p. 16. CANADA.
Syntypes: 2♂♂, CNC No. 7905.
"♂"; Cranbrook, B.C., 7.IX.21/C. Garrett Collector/hypo 5543/Holotype Sceptonia autumnalis ♂, C.B.D. Garrett.
"♂"; Marysville, B.C., 1.VIII., C. Garrett/hypo 5213/Paratype Sceptonia autumnalis ♂ C.B.D. Garrett.
Remarks: In the original description *autumnalis* is spelled *autumnals*, (corrected Stone *et al.* 1965). In the original description Garrett indicates type with number 197, Garrett Collection. The specimen labeled as holotype has no number associated with it; therefore I consider both specimens syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 5543.

***Sceptonia johannseni*** Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 8♂♂, 8♀♀, CNC No. 7904.
"♂"; Marysville, B.C., 14.VII., C. Garrett/5255 hypo/Holotype Sceptonia johannseni Garrett, C.B.D. Garrett.
"♂"; Marysville, B.C., 14.VII., C. Garrett/5264 hypo/Paratype Sceptonia johannseni Garrett, C.B.D. Garrett.
"♂"; Marysville, B.C., 14.VII., C. Garrett/5250 hypo/Paratype Sceptonia johannseni Garrett, C.B.D. Garrett.
"2♂♂"; Marysville, B.C., 14.VII., C. Garrett/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.
"3♀♀"; Marysville, B.C., 14.VII., C. Garrett/Sceptonia johannseni C. Garrett, C.B.D. Garrett.
"♂"; Marysville, B.C., 1.VIII., C. Garrett/5214 hypo/Paratype Sceptonia johannseni C. Garrett, C.B.D. Garrett.
"♂"; Marysville, B.C., 1.VIII., C. Garrett/521Y hypo/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett/Slide H.C.W. 10.XII.76, No. F.
"♀"; Marysville, B.C., 1.VIII., C. Garrett/Allotype Sceponia johannsoni ♀ [sic] C. Garrett, C.B.D. Garrett.
"♀"; Marysville, B.C., 1.VIII., C. Garrett/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.
"♂"; Cranbrook, B.C., 1.VI.24/C. Garrett Collector/5546 hypo/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.
"♀"; Cranbrook, B.C., 20.VII./C. Garrett Collector/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.
"2♀♀"; Cranbrook, B.C., 10.VII./C. Garrett Collector/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.
Remarks: Since no holotype was indicated in the description, all 35 specimens in the type series (Type no. 186, Garrett Collection) are syntypes. However, Garrett labeled a male, Marysville, B.C., July 14 (slide No. 5253 hypo) as Holotype. There are six specimens from the type series with the terminalia mounted on microscope slides. All syntypes are mounted on paper points.

***Sciophila admiranda*** Zaitzev, 1982, Nauka 1982: 20. NEPAL.
Holotype ♂: NEPAL, Ktmd. Godavari, 5000', 15.IV.1967, Can. Nepal Exped./Holotype Sciophila admiranda Zaitzev, CNC No. 19410/Holotypus Sciophila admiranda sp.n. det. A. Zaitzev '80.
Remarks: The terminalia are dissected and mounted between two pieces of plastic pinned with the specimen.

***Sciophila arizonensis*** Zaitzev, 1982, Nauka 1982: 21. USA.
Paratypes: 2♂♂, Ontario (Canada); 1♂, British Columbia (Canada), CNC No. 19409.
Remarks: The terminalia of the three paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

***Sciophila canadensis*** Zaitzev, 1982, Nauka 1982: 25. CANADA.
Holotype ♂: Bailey Point, Melville Is., N.W.T., 27.VII.1965, J.E.H. Martin/Holotype Sciophila canadensis Zaitzev, CNC No. 19408/Holotypus ♂ Sciophila canadensis sp.n. det. A. Zaitzev 1980.
Paratypes: 10♂♂, Northwest Territories: 1♂, Yukon Territory.
Remarks: The terminalia of holotype and 3 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

***Sciophila conformis*** Zaitzev, 1982, Nauka 1982: 27. CANADA.
Holotype ♂: N.W.T. 21 m.e. Tuktoyaktuk, 17-21.VII.71, D.M. Wood/Holotype Sciophila conformis Zaitzev, CNC No. 19407/ Holotypus ♂ Sciophila conformis sp.n. det. A. Zaitzev 1980.
Paratypes: 5♂♂, Northwest Territories.
Remarks: The terminalia of the holotype and 5 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

***Sciophila emarginata*** Zaitzev, 1982, Nauka 1982: 29. CANADA.
Holotype ♂: Canot Casse Rap, 64°14N. 99°27W., 20.VIII.66, N.W.T., J.G. Chillcott/Holotype Sciophila emarginata Zaitzev, CNC No. 19406/Holotypus ♂ Sciophila emarginata sp.n. det. A. Zaitzev '80.
Paratypes: 1♂, British Columbia; 6♂♂, Northwest Territories; 1♂, Yukon Territory; 1♂, Alaska (USA).
Remarks: The terminalia of the holotype and 9 paratypes are dissected and mounted between

two pieces of plastic pinned with the specimen.

*Sciophila exserta* Zaitzev, 1982, Nauka 1982: 29. CANADA.
Holotype ♂: Clyde, Gaffin [sic] Is., N.W.T., 4.VII.1958, G.E. Shewell/Holotype Sciophila exserta Zaitzev, CNC No. 19405/Holotypus ♂ Sciophila exserta sp.n. det. A. Zaitzev, 1980.
Paratypes: 21♂♂, Northwest Territories; 5♂♂, Yukon Territory.
Remarks: The terminalia of the holotype and 25 of 26 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen. There are 3 additional specimens labeled as paratypes, but they are from localities not mentioned in the original description.

*Sciophila festiva* Zaitzev, 1982, Nauka 1982: 31. CANADA.
Holotype ♂: Masik Riv., Banks I., N.W.T., 13.VII.1968, W.R.M. Mason/Holotype Sciophila festiva Zaitzev, CNC No. 19404/Holotypus ♂ Sciophila festiva sp.n. det. A. Zaitzev 1980.
Paratype: 1♂, Northwest Territories.
Remarks: The terminalia of the holotype and paratype are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila iowensis* Zaitzev, 1982, Nauka 1982: 42. USA.
Paratypes: 1♂, Maryland; 2♂♂, Quebec (Canada), CNC No. 19403.
Remarks: The terminalia of the 3 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila karelica* Zaitzev, 1982, Nauka 1982: 43. USSR.
Paratype: 1♂, Yukon Territory (Canada), CNC No. 19402.
Remarks: The terminalia are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila laffooni* Zaitzev, 1982, Nauka 1982: 45. USA.
Paratype: 1♂, Quebec (Canada), CNC No. 19401.
Remarks: The terminalia are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila minuta* Zaitzev, 1982, Nauka 1982: 47. CANADA.
Holotype ♂: Masham Twp., Que., Gatineau Co., 22-26.VI.1974, D.M. Wood/Holotype Sciophila minuta Zaitzev, CNC No. 19401/Holotypus ♂ Sciophila minuta sp.n. det. A. Zaitzev 1980.
Paratype: 1♂, Ontario.
Remarks: The terminalia of the holotype and paratype are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila modesta* Zaitzev, 1982, Nauka 1982: 49. CANADA.
Holotype ♂: Masham Twp., Que., Gatineau Co., 15.VII.1974, D.M. Wood/Holotype Sciophila modesta Zaitzev, CNC No. 19399/Holotypus ♂ Sciophila modesta sp.n. det. A. Zaitzev 1980.
Paratypes: 1♂, Ontario; 7♂♂, Quebec; 1♂, Alberta; 1♂, Yukon Territory.
Remarks: The terminalia of the holotype and 10 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila montana* Zaitzev, 1982, Nauka 1982: 50. USA.
Holotype ♂: Doolittle Ranch, 9800' Mt. Evans, COLO., 6.VIII., J.G. Chillcott '61/In poplar woods/Holotype Sciophila montana Zaitzev, CNC No. 19395/Holotypus ♂ Sciophila montana sp.n. det. A. Zaitzev 1980.
Remarks: The terminalia of the holotype are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila nepalensis* Zaitzev, 1982, Nauka 1982: 51. NEPAL.
Holotype ♂: 28°00'N. 85°00'E. Mal. tr. 7, 9900' 20 May 1967, Can. Nepal Exped./Holotype Sciophila nepalensis Zaitzev, CNC No. 19398/Holotypus ♂ Sciophila nepalensis sp.n. det. Zaitzev 1980.
Paratypes: 3♀♀, Nepal.
Remarks: The terminalia of the holotype are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila parahebes* Zaitzev, 1982, Nauka 1982: 56. CANADA.
Holotype ♂: Indian House L., Que., 26.VII.1954, W.R. Richards/Holotype Sciophila parahebes Zaitzev, CNC No. 19393/Holotypus ♂ Sciophila parahebes sp.n. det. A. Zaitzev 80.
Paratype: 1♂, Quebec.
Remarks: The terminalia of the holotype and paratype are mounted between two pieces of plastic pinned with the specimen.

*Sciophila pluridentata* Zaitzev, 1982, Nauka 1982: 58. CANADA.
Holotype ♂: N.W.T. 21 m.e. Tuktoyaktuk, 20-25.VI.71, D.M. Wood/Holotype Sciophila pluridentata Zaitzev, CNC No. 19394/Holotypus ♂ Sciophila pluridentata sp.n. det. Zaitzev '80.
Paratypes: 14♂♂, Northwest Territories; 2♂♂, Greenland.
Remarks: The terminalia of the holotype and 9 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila propria* Zaitzev, 1982, Nauka 1982: 59. NEPAL.
Holotype ♂: 27°56'N. 85°00'E. Mal. tr. 9, 9900' 22 May 1967, Can. Nepal Exped./Holotype Sciophila propria Zaitzev, CNC No. 19397/Holotypus ♂ Sciophila propria sp.n. det. A. Zaitzev 1980.
Paratypes: 2♀♀, Nepal.
Remarks: The terminalia of the holotype are dissected and mounted between two pieces of plastic pinned with the specimen.

*Sciophila septentrionalis* Zaitzev, 1982, Nauka 1982: 62. CANADA.
Holotype ♂: North Fork Crossing, Mi 43, Peel Plt. Rd., 3500' 4.VII.1962, P.J. Skisko, Y.T./Holotype Sciophila septentrionalis Zaitzev, CNC No. 19392/Holotypus ♂ Sciophila septentrionalis sp.n. det. A. Zaitzev 1980.
Paratypes: 2♂♂, Yukon Territory.
Remarks: The terminalia of the holotype and both paratypes are mounted between two pieces of plastic pinned with the specimen.

***Sciophila sublimbatella*** Zaitzev, 1982, Nauka 1982: 65. USA.
Paratype: 1♂, Vermont, CNC No. 19396.
Remarks: The terminalia are dissected and mounted between two pieces of plastic pinned with the specimen.

***Sciophila vernicosa*** Zaitzev, 1982, Nauka 1982: 68. NEPAL.
Holotype ♂: 27°56'N. 85°00'E., Mal. tr. 9, 9900', 28 May 1967, Can. Nepal Exped./Holotype Sciophila vernicosa Zaitzev, CNC No. 19332/ Holotypus ♂ Sciophila vernicosa sp.n., det. A. Zaitzev.
Remarks: The terminalia of the holotype is mounted between two pieces of plastic pinned with the specimen.

***Sciophila vockerothi*** Zaitzev, 1982, Nauka 1982: 69. USA.
Holotype ♂: Gr. Smoky Mt. Nat. Pk., Tenn., 18.V.1957, J.R. Vockeroth/Greenbrier Cove 2000'/Holotype Sciophila vockerothi Zaitzev, CNC No. 19333/Holotypus ♂ Sciophila vockerothi sp.n. det. A. Zaitzev 1980.
Paratype: 1♂, Ontario (Canada).
Remarks: The terminalia of the holotype and paratype have the terminalia mounted between two pieces of plastic pinned with the specimen.

***Stenophragma andina*** Duret, 1979, Neotropica 25(74): 141. ECUADOR.
Holotype ♂: Cerro Pelado Carchi, ECUADOR, 25.VI.1965, 3200 m, L. Pena/Holotype Stenophragma andina Duret, CNC No. 19419/Holotipo/C208/Stenophragma andina sp.n. J.P. Duret Det. 1979.
Remarks: The left wing and terminalia of the holotype are mounted between two pieces of glass on separate mounts pinned with the specimen.

***Symmerus coqula*** Garrett, 1925, Sixty-one new Diptera, p. 12. CANADA.
Holotype ♀: Cranbrook, B.C., 27.VII./Collector C. Garrett/Holotype Symmerus coqula Garrett, CNC No. 7880/Monotype Symmerus coqula Garrett, Cul Branch, C.B.D. Garrett.
Remarks: Most of the right antennae is missing from the type.

***Symmerus fuscicaudatus*** Saigusa, 1973, Sieboldia 4(3): 189. JAPAN.
Paratype: 1♂, Japan, CNC No. 17000.

***Symmerus (Psilosymmerus) nepalensis*** Munroe, 1974, Mem. ent. Soc. Can. 92: 33. NEPAL.
Holotype ♂: Nepal, Ktmd. Godavari, 6000' 3 Aug 1967, Can. Nepal Expd./Holotype Symmerus nepalensis D. Munroe, CNC No. 12966.
Paratype: 1♂, Nepal.
Remarks: The apical portion of the abdomen and terminalia of the holotype and paratype are stored in glass microvials pinned with the specimen. The left wing of paratype is mounted on microscope slide No. DDM-A-31.

***Symmerus (Psilosymmerus) uncatus*** Munroe, 1974, Mem. ent. Soc. Can. 92: 30. USA.
Paratype: 1♂ (slide of right wing only, No. DDM-A-30).

***Symmerus (Psilosymmerus) vockerothi*** Munroe, 1974, Mem. ent. Soc. Can. 92: 29. CANADA.
Holotype ♂: King Mtn., Old Chelsea, Que., 1000' 1.VIII.69, Malaise trap D.D. Munroe/5-8/ Holotype Symmerus vockerothi D. Munroe, CNC No. 12967.
Paratypes: 19♂♂, Quebec; 7♂♂, Ontario; 1♂ Georgia (USA).
Remarks: The apical portion of the abdomen and terminalia of the holotype and three paratypes are stored in glass microvials pinned with the specimen. The right wing of one paratype is mounted on microscope slide DDM-A-29. The left wing of one paratype is mounted on a microscope slide.

***Syndocosia pan*** Matile, 1976, Bull. Inst. fond. Afr. noire (1975) 37(A): 692. CENTRAL AFRICAN REPUBLIC.
Paratypes: 1♂, 1♀, Central African Republic, CNC No. 17053.

***Tetragoneura arcuata*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 20. CANADA.
Syntypes: 1♂, 3♀♀, CNC No. 7961.
"♂"; Caulfields, B.C., 16.VI.17/ Type/Tetragoneura arcuata ♂ R.S. Sherman/Syntype Tetragoneura arcuata Sherman, CNC No. 7961.
"♀"; Caulfields, B.C., 24.V.17, 1495/Paratype/Type see letter, C.B.D. Garrett/Tetragoneura arcuata ♀ R.S. Sherman/Syntype Tetragoneura arcuata Sherman, CNC No. 7961.
"2♀♀"; Stanley Park, B.C., 20.V.17, 1341, 1362/Paratype/Tetragoneura arcuata ♀ R.S. Sherman.
Remarks: Since no holotype was indicated in the original description, all five specimens in the type series are syntypes.

***Tetragoneura atra*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 19. CANADA.
Syntypes: 1♂, 1♀, CNC No. 3958.
"♂"; Seymour Ck., [B.C.] 19.5.17, 1296/Type/Tetragoneura atra ♂ R.S. Sherman/Syntype Tetragoneura atra Sherman, CNC No. 3958.
"♀"; Van., B.C., 28.4.17, 994/Type ♀/Tetragoneura atra ♀ R.S. Sherman/ Syntype Tetragoneura atra Sherman, CNC No. 3958.
Remarks: Since no holotype was indicated in the description, all 3 specimens in the type series are syntypes. Both male and female specimens in the CNC have the left wing missing.

***Tetragoneura fallax*** Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 20. CANADA.
Syntypes: 13♂♂, 17♀♀, CNC No. 7960.
"2♂♂"; Savary Id., [B.C.] 11.4.17, 653, 704/Paratype/Tetragoneura fallax ♂ R.S. Sherman/Slide H.C.W. 7.XII.76, No. J.
"♂"; Savary Id., [B.C.] 7.4.17, 290/Paratype/Type see letter, C.B.D. Garrett/Tetragoneura fallax ♂ R.S. Sherman.
"♂"; Savary Id., [B.C.] 9.4.17, 383/Paratype/Tetragoneura fallax ♂ R.S. Sherman.
"2♂♂"; Capilano, B.C., 3.4.18/Type see letter, C.B.D. Garrett/ Tetragoneura fallax ♂ R.S. Sherman.
"♂"; Caulfields, B.C., 24.V.17, 1472/Paratype/Type see letter, C.B.D. Garrett/Tetragoneura fallax ♂ R.S. Sherman.
"♂"; Van., B.C., 28.4.17, 1005/Paratype/Type see letter, C.B.D. Garrett/Tetragoneura fallax ♂ R.S. Sherman.

"♂"; Van., B.C., 28.IV.18/Type see letter, C.B.D. Garrett/Tetragoneura fallax ♂ R.S. Sherman.
"♂"; Van., B.C., 22.4.17, 876/Type/ Tetragoneura fallax ♂ R.S.S.
"♂"; Van., B.C., 26.4.17, 1236/ Paratype/Tetragoneura fallax ♂ R.S. Sherman.
"♂"; Victoria, B.C., 24.IV.16/Paratype/ Tetragoneura fallax ♂ R.S. Sherman.
"♂"; Savary Id., B.C., 16.12.17, 3034/ Paratype/Type see letter, C.B.D. Garrett/very wide cell Tetragoneura fallax ♂ R.S. Sherman.
"10♀♀"; Stanley Park, B.C., 20.V.17, 1314, 1324, 1335, 1338, 1350, 1353, 1354, 1355, 1358, 1367/Paratype/Tetragoneura fallax ♀ R.S. Sherman.
"4♀♀"; Van., B.C., 28.4.17, 927, 949, 986, 992/Paratype/Tetragoneura fallax ♀ R.S. Sherman.
"2♀♀"; Caulfields, B.C., 5.5.17, 1083, 1085/Paratype/Tetragoneura fallax ♀ R.S. Sherman.
"♀"; Savary Id., [B.C.] 16.4.17, 491.
"♀"; Van., B.C., 22.4.17, 870/Paratype/ Tetragoneura fallax ♀ R.S. Sherman.
Remarks: Since no holotype was indicated in the description, all forty specimens in the type series are syntypes. One syntype has the left wing permanently mounted on a microscope slide.

*Tetragoneura marceda* Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 20. CANADA.
Syntypes: 19♂♂, 3♀♀, CNC No. 7957.
"♂"; Savary Id., [B.C.] 15.4.17, 765/Type/ Tetragoneura Marceda ♂ R.S. Sherman.
"♂"; Savary Id., [B.C.] 7.4.17, 324/ Paratype/Type, see letter, C.B.D. Garrett/One R.2.3 absent, Tetragoneura marceda ♂ R.S. Sherman.
"♂"; Savary Id., [B.C.] 7.4.17, 329/Type normal Tetragoneura marceda ♂ Sherman, C.B.D. Garrett.
"3♂♂"; Savary Id., B.C., 7.4.17/Type, see letter, C.B.D. Garrett/R.2.3 absent, Tetragoneura marceda ♂ R.S. Sherman.
"2♂♂"; Savary Id., [B.C.] 11.4.17, 664, 669/Type, see letter, C.B.D. Garrett/One R.2.3 absent Tetragoneura marceda ♂ R.S. Sherman.
"6♂♂; Savary Id., [B.C.] 7.4.17, 486, 473, 520, 598, 600, 616/Type see letter, C.B.D. Garrett/R.2.3 absent, Tetragoneura marceda ♂ R.S. Sherman.
"♂"; Savary Id., [B.C.] 9.4.17, 405/Type see letter, C.B.D. Garrett/R.2.3 absent Tetragoneura marceda ♂ Sherman.
"4♂♂"; Savary Id., [B.C.] 15.4.17, 733, 742, 758, 759/Type see letter, C.B.D. Garrett/ R.2.3 absent, Tetragoneura marceda ♂ R.S. Sherman.
"2♀♀"; Savary Id., [B.C.] 10.4.17, 573, 463/Tetragoneura marceda ♀ R.S. Sherman.
"♀"; Stanley Park, B.C., 20.V.17, 1393/Type see letter, C.B.D. Garrett/2 cells R absent, Tetragoneura marceda ♀ R.S. Sherman.
Remarks: Since no holotype was indicated in the original description, all 35 specimens in the type series are syntypes.

*Tetragoneura robur* Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
Holotype ♂: Cranbrook, B.C., 29.IV./C. Garrett Collector/Holotype Tetragoneura robur Garrett, CNC No. 7874/Holotype Tetragoneura robur ♂ Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype.
Paratypes: 3♂♂, British Columbia.
Remarks: One paratype has a label (5479 hypo) indicating there is a slide, but I have not been able to locate this slide.

*Tetrogoneura similis* Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
Holotype ♂: Cranbrook, B.C., 2.X./C. Garrett Collector/Holotype Tetragoneura similis Garrett, CNC No. 7873/Holotype Tetragoneura similis Garrett, C.B.D. Garrett.
Allotype ♀: Same data as holotype, except July 4.
Paratype: 3♀♀, British Columbia.
Remarks: In Garrett's original description of *T. similis* the name *Tetragoneura similis* was mispelled as *Tetrogoneura similas*.

*Trichonta amica* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638, 14. CANADA.
Holotype ♂: Old Chelsea, Que., 18.VII.1961, J.R. Vockeroth/Holotype Trichonta amica Gagné, CNC No. 17089/CNC/Holotype Trichonta amica Gagné.
Paratypes: 4♂♂, Quebec; 4♂♂, Ontario; 1♂, Alberta; 1♂, New York (USA).
Remarks: There are three additional specimens labeled as paratypes, but they were collected from a locality not mentioned in the original description. The abdomens of the holotype and five paratypes are in glass microvials pinned with the specimen.

*Trichonta beata* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 15. USA.
Paratypes: 1♂, North Carolina; 3♂♂, Quebec (Canada). CNC No. 17090.

*Trichonta clara* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 17. USA.
Paratypes: 1♂, Tennessee; 3♂♂, 4♀♀, Quebec (Canada), CNC No. 17091.

*Trichonta contenta* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 18. NEPAL.
Holotype ♂: Nepal, 27°58'N. 85°00'E., 11000 ft, 7 June 1967, Can. Nepal Exped./Holotype Trichonta contenta Gagné, CNC No. 17092/CNC/Holotype Trichonta contenta Gagné.
Paratypes: 3♂♂, Nepal.
Remarks: The abdomen of the holotype is stored in a glass microvial pinned with type specimen.

*Trichonta delicata* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 18. USA.
Paratypes: 2♂♂, Quebec (Canada); 1♂, Ontario (Canada), CNC No. 17093.
Remarks: There is a female specimen (in copula) pinned on same pin as one paratype.

*Trichonta eximia* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 18. USA.
Paratypes: 16♂♂, Quebec (Canada); 5♂♂, Ontario (Canada); 1♂, Alberta (Canada); 1♂, British Columbia (Canada); 1♂, Nepal, CNC No. 17094.

Remarks: Two paratypes have the abdomens stored in glass microvials pinned with the specimen.

*Trichonta facilis* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 19. CANADA.

Holotype ♂: North Fork Pass, Ogilvie Mts. Y.T., 4100', 21.VI.1962, P.J. Skitsko/Holotype Trichonta facilis Gagné, CNC No. 17095/Holotype Trichonta facilis Gagné.

Paratypes: 4♂♂, Sweden.

Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.

*Trichonta festa* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 19. USA.

Paratypes: 1♂, Washington; 1♂, 8♀♀, British Columbia (Canada), CNC No. 17096.

*Trichonta fidelis* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 19. NEPAL.

Holotype ♂: 27°57'N. 84°59'E., Mal. tr. 5, 10, 100, 30 May 1967, Can. Nepal Exped./ Holotype Trichonta fidelis Gagné, CNC No. 17097/CNC/Holotype Trichonta fidelis Gagné.

Paratypes: 13♂♂, 16♀♀, Nepal.

Remarks: The abdomen of the holotype and one paratype are stored in glass microvials pinned with the specimen.

*Trichonta flebilis* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 20. NEPAL.

Holotype ♂: Nepal, 27°58'N. 85°00'E., 11100 ft, 24 May 1967, Can. Nepal Exped./Holotype Trichonta flebilis Gagné, CNC No. 17098/CNC/ Holotype Trichonta flebilis Gagné.

Paratypes: 3♂♂, Nepal.

Remarks: The apical portion of the abdomen and terminalia of the holotype are stored in glass microvials pinned with the specimen.

*Trichonta generosa* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 21. USA.

Paratype: 1♂, Alaska, CNC No. 17099.

Remarks: The apical portion of the abdomen and terminalia of the paratype are stored in glass microvials pinned with the specimen.

*Trichonta gentilis* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 21. USA.

Paratype: 1♂, Mexico, CNC No. 17100.

Remarks: The abdomen is removed from the paratype; the terminalia are in a glass microvial pinned with the specimen; the remainder of the abdomen is glued to the pin below the specimen.

*Trichonta justa* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 23. USA.

Holotype ♂: Lily Pond, Alpine Lk., Marin Co., Calif. 1500'/15-XII-70, 9-1-1971, Malaise Trap, D.D. Munroe/Holotype Trichonta justa Gagné, CNC No. 17101/CNC/Holotype Trichonta justa Gagné.

Paratypes: 3♂♂, 2♀♀, California.

Remarks: The abdomen of the holotype and one ♀ paratype are stored in glass microvials pinned with the specimen. The head is missing from the holotype.

*Trichonta languida* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 23. USA.

Paratypes: 1♂, Quebec (Canada); 1♂, Ontario (Canada), CNC No. 17102.

Remarks: The abdomen of one paratype is stored in a glass microvial pinned with the specimen.

*Trichonta merita* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 24. CANADA.

Holotype ♂: North Fork Pass, Ogilvie Mts. Y.T., 4100', 21.VI.1962 P.J. Skitsko/Holotype Trichonta merita Gagné, CNC No. 17103/CNC/ Holotype Trichonta merita Gagné.

Paratypes: 3♂♂, Yukon Territory.

Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.

*Trichonta placida* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. MEXICO.

Holotype ♂: 4.5 mi. E. El Palmito, Sin. Mex. 6300' July 25, 1964, J.F. McAlpine/Holotype Trichonta placida Gagné, CNC No. 17104/CNC/Holotype Trichonta placida Gagné.

Remarks: The apical portion of the abdomen and terminalia of the holotype are stored in glass microvials pinned with the specimen. The apical portion of both antennae are missing from the type specimen.

*Trichonta pulchra* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. CANADA.

Holotype ♂: Stittsville, Ont., 21.IX.1963, W.R.M. Mason/Holotype Trichonta pulchra Gagné, CNC No. 17105/CNC/Holotype Trichonta pulchra Gagné.

Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen. The apical portion of both antennae and the right wing are missing.

*Trichonta salva* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25: USA.

Holotype ♂: Lily Pond, Alpine Lk., Marin Co., Calif. 1500'/15-XII-70, 9-1-1971, Malaise Trap, D.D. Munroe/Holotype Trichonta salva Gagné, CNC No. 17106/CNC/Holotype Trichonta salva Gagné.

Remarks: The apical portion of the abdomen and terminalia are stored in glass microvials pinned with the type specimen. The right wing is missing from the type specimen.

*Trichonta secura* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. CANADA.

Holotype ♂: Horseshoe Bay, B.C. 0-300' 29.V.1961, J.R. Vockeroth/Holotype Trichonta secura Gagné, CNC No. 17107/CNC/Holotype Trichonta secura Gagné.

Remarks: The abdomen is stored in a glass microvial pinned with the specimen.

*Trichonta sedata* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. CANADA.

Holotype ♂: Mt. Kobau, 6200' Osoyoos, B.C., 13.VIII.1967, J.R. Vockeroth/Holotype Trichonta sedata Gagné, CNC No. 17108/CNC/Holotype Trichonta sedata Gagné.

Remarks: The apical portion of the abdomen and terminalia of the holotype are in a glass microvial pinned with the specimen. The remainder of the abdomen and the hind legs are glued to the pin below the specimen.

***Trichonta sedula*** Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 26. USA.
Paratypes: 1♂, North Carolina; 1♂, Ontario (Canada), CNC No. 17109.
Remarks: The abdomen of one paratype is in a glass microvial pinned with the specimen.

***Trichonta serena*** Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 26. CANADA.
Holotype ♂: Apex Mt. 5800' Penticton, B.C., 5.VIII.1967, J.R. Vockeroth/Holotype Trichonta serena Gagné, CNC No. 17110/CNC/Holotype Trichonta serena Gagné.
Remarks: The abdomen is stored in a glass microvial that is pinned with the type specimen. Both antennae and right wing are missing.

***Trichonta sobria*** Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 26. NEPAL.
Holotype ♂: 27°56'N. 85°00'E., Mal. tr. 9, 9000' 22 May 1967, Can. Nepal Exped./Holotype Trichonta sobria Gagné, CNC No. 17111/CNC/Holotype Trichonta sobria Gagné.
Paratype: 1♂, Nepal.
Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.

***Trichonta superba*** Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 27. NEPAL.
Holotype ♂: 28°00'N. 85°00'E. Mal. tr. 7, 9900' 26 May 1967, Can. Nepal Exped./Holotype Trichonta superba Gagné, CNC No. 17112/CNC/Holotype Trichonta superba Gagné.
Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen. The head is missing from the specimen. The remainder of the abdomen is glued to the pin below the specimen.

***Trichonta valida*** Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 27. MEXICO.
Holotype ♂: Mexico, Chis. San Cristobal de Las Casas 7087' 25.V.1969, B.V. Peterson/ Holotype Trichonta valida Gagné, CNC No. 17113/CNC/ Holotype Trichonta valida Gagné.
Paratype: 1♂, Mexico.
Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.

***Zygomyia bifasciata*** Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 1♂, 4♀♀, CNC No. 7900.
"♂"; Cranbrook, B.C., 1.VI.24/hypo 1400/Holotype Zygomyia bifasciata ♂ C.B.D. Garrett.
"♀"; Cranbrook, B.C., 2.VI./Allotype Zygomyia bifasciata ♀ C.B.D. Garrett.
"2♀♀"; Marysville, B.C., 10.VII., C. Garrett/Paratype Zygomyia bifasciata ♀ C.B.D. Garrett.
"♀"; Cranbrook, B.C., 14.VI./Paratype Zygomyia bifasciata ♀ C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 192, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore, I consider the 5 specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 1400.

***Zygomyia christata*** Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 2♂♂, 1♀, CNC No. 7902.
"♂"; Crows Nest, B.C., 29.V./hypo 760/Holotype Zygomyia cristala [sic] ♂ C.B.D. Garrett.
"♀"; Cranbrook, B.C., 4.VII./Allotype Zygomyia cristata [sic] ♀ C.B.D. Garrett.
"♂"; Cranbrook, B.C., 10.VII./Paratype Zygomyia cristata [sic] ♂ C.B.D. Garrett hypo lost.
Remarks: In the original description Garrett indicated type with number 194, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore I consider the specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 760.

***Zygomyia christulata*** Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 3♂♂, 1♀, CNC No. 7901.
"♂"; Cranbrook, B.C., 22.VII./hypo 642/Holotype Zygomyia cristulata [sic] ♂ C.B.D. Garrett.
"♀"; Cranbrook, B.C., 12.VIII./Allotype Zygomyia cristulata [sic] ♀ C.B.D. Garrett.
"♂"; Marysville, B.C., 13.VIII., C. Garrett/hypo 520Y/Paratype Zygomyia cristulata [sic] ♂ C.B.D. Garrett.
"♂"; Cranbrook, B.C., 4.VII./hypo 1209/Paratype Zygomyia cristulata [sic] ♂ C.B.D. Garrett.
Remarks: In the original description Garrett indicated type with number 193, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore I consider the specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 642.

***Zygomyia coxale*** Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 1♂, 1♀, CNC No. 7903.
"♂"; Cranbrook, B.C., 15.IV./hypo 1200/Holotype Zygomyia coxale I C.B.D. Garrett.
"♀"; Marysville, B.C., 1.VIII., C. Garrett/Allotype Zygomyia coxale ♀ C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 195, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore I consider the specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 1200.

***Zygomyia pilosa*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.
Syntypes: 1♂, 2♀♀, CNC No. 7899.
"♂"; Marysville, B.C., 10.VII., C. Garrett/ hypo 840/Holotype Zygomyia pilosa ♂ C.B.D. Garrett.
"♀"; Cranbrook, B.C., 9.IX./Allotype Zygomyia pilosa ♀ C.B.D. Garrett.

"♀"; Cranbrook, B.C., 9.IX./Vag. 5408/Paratype Zygomyia pilosa ♀ C.B.D. Garrett.

Remarks: In the original description Garrett indicates type with number 191, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore I consider the 3 specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 840.

### NYMPHOMYIIDAE

*Palaeodipteron walkeri* Ide, 1965, Can. Ent. 97: 497. CANADA.

Paratypes: 1♂, 1♀, New Brunswick, CNC No. 9174.

Remarks: Both paratypes are stored in liquid preservative.

### PACHYNEURIDAE

*Cramptonomyia spenceri* Alexander, 1931, Bull. Brooklyn ent. Soc. 26: 8. CANADA.

Holotype ♀: Vancouver, B.C., 30.III.1930, G.J. Spencer/Holotype Cramptonomyia spenceri Alexander, CNC No. 3453/Holotype Cramptonomyia spenceri C.P. Alexander.

Remarks: The right wing is missing from the holotype, and believed mounted on a slide in C.P. Alexander's Collection, which is deposited in the United States National Museum, Washington.

### PERISSOMMATIDAE

*Perissomma congrua* Colless, 1969, Aust. J. Zool. 17: 727. CHILE.

Holotype ♂: Los Paraguas, Cautin, CHILE, 21.III.1955, L.E. Pena, 1400 m./Perissomma Holotype congrua Colless, CNC No. 12696/Holotype Perissomma congrua Colless/Wing on slide N10/Terminalia on slide N8.

Remarks: The date in the original description is 21.II.1955, but on the label of the pinned specimen it gives a date of 21.III.1955. The holotype specimen is glued to a paper point.

*Perissomma fusca* Colless, 1962, Aust. J. Zool. 10: 525. AUSTRALIA.

Paratype: 1♂, Australia, CNC No. 19331.

Remarks: There is 1 additional specimen labeled as a paratype, but the locality data does not agree with the original description.

### PSYCHODIDAE

*Pericoma fluviatilis* Dyar, 1926, Insecutor Inscit. menstr. 14(7-9): 106. USA.

Paratypes: 1♂, 1♀, Montana, CNC No. 2362.

*Pericoma kincaidi* Quate, 1955, Univ. Calif. Publs Ent. 10(3): 141. USA.

Paratype: 1♀ (slide), British Columbia (Canada), CNC No. 17128.

*Pericoma lassenica* ssp. *lassenica* Quate, 1955, Univ. Calif. Publs Ent. 10(3): 130. USA.

Paratypes: 2♂♂, 2♀♀, California, CNC No. 17129.

*Psychoda albitarsis* Banks, 1895, Can. Ent. 27: 324. USA.

Paralectotype: 1♂, New York, CNC No. 2135.

Remarks: For lectotype designation see Quate (1955, p. 131).

*Psychoda basalis* Banks, 1907, Proc. ent. Soc. Wash. (1906) 8(3-4): 150. USA.

Paralectotype: 1♂, Virginia, CNC No. 2137.

Remarks: For lectotype designation see Quate (1955, p. 175).

*Psychoda interrupta* Banks, 1907, Proc. ent. Soc. Wash. (1906) 8(3-4): 150. USA.

Paralectotype: 1♂, Maryland, CNC No. 2138.

Remarks: For lectotype designation see Quate (1955, p. 153).

*Psychoda marginalis* Banks, 1894, Can. Ent. 26: 333. USA.

Paralectotype: 1♂, New York, CNC No. 2136.

Remarks: For lectotype designation see Quate (1955, p. 133).

*Psychoda prudens* Curran, 1924, Can. Ent. 56: 219. CANADA.

Holotype ♀: Nordegg, Alta., 3.VII.1921, J. McDunnough/Holotype Psychoda prudens Curr., CNC No. 765/Slide.

Paratype: 1♀, Alberta.

Remarks: The left wing and abdomen of the holotype are mounted on a microscope slide.

*Psychoda satchelli* Quate, 1955, Univ. Calif. Publs. Ent. 10(3): 214. USA.

Paratype: 1♀ (slide), Nebraska, CNC No. 17127.

*Psychoda varitarsis* Curran, 1924, Can. Ent. 56: 220. CANADA.

Holotype ♀: Megantic, Que., 18.VI.1923, C.H. Curran/Holotype Psychoda varitarsis Curr., CNC No. 766/Slide.

Remarks: The holotype was labeled as a ♂ (in error) in the original description. The holotype has the right wing and abdomen mounted on a microscope slide.

*Psychoda* (*Pericoma*) *alberta* Curran, 1924, Can. Ent. 56: 219. CANADA.

Holotype ♂: Waterton Lakes, Alta. 10.VII.1923, J. McDunnough/Holotype Ps. (Pericoma) alberta Curr., CNC No. 764.

Allotype ♀: Same data as holotype, except 6.VII.1923.

*Psychoda* (*Pericoma*) *augusta* Curran, 1926, Can. Ent. 58: 228. CANADA.

Holotype ♂: Aylmer, Que., 24.VI.1924, C.H. Curran/Holotype Ps. (P.) augusta ♂, ♀, Curran, CNC No. 2328.

Allotype ♀: Same data as holotype.

Paratypes: 28♂♂, 17♀♀, Quebec.

Remarks: The holotype and allotype are both mounted on the same pin. One ♂ and ♀ paratype are mounted on microscope slides.

***Psychoda* (*Pericoma*) *criddlei*** Curran, 1924, Can. Ent. 56: 218. CANADA.

Holotype ♂: Aweme, Man. 2.VIII.1917, N. Criddle/Holotype Ps. (Pericoma) criddlei Curr., CNC No. 763.

***Psychoda* (*Pericoma*) *juno*** Curran, 1926, Can. Ent. 58: 228. CANADA.

Holotype ♂: Orillia, Ont. 26.VI.1926, C.H. Curran/Holotype Psychoda (P.) juno Curran, CNC No. 2329/Slide.

Allotype ♀: Same data as holotype.

Paratype: 1♂, Ontario.

Remarks: The left wing and abdomen of the holotype are mounted on a microscope slide.

***Psychoda* (*Pericoma*) *megantica*** Curran, 1924, Can. Ent. 56: 217. CANADA.

Holotype ♀: Megantic, Que. 20.VI.1923, C.H. Curran/Holotype Ps. (Pericoma) megantica Curr., CNC No. 761/Slide.

Remarks: The left wing and abdomen of the holotype are mounted on a microscope slide.

***Psychoda* (*Pericoma*) *orillia*** Curran, 1924, Can. Ent. 56: 218. CANADA.

Holotype ♀: Orillia, Ont. 15.VII.1923, C.H. Curran/Holotype Ps. (Pericoma) orillia Curr., CNC No. 762.

***Psychoda* (*Pericoma*) *scotiae*** Curran, 1924, Can. Ent. 56: 216. CANADA.

Holotype ♂: Annap. Co., N.S. 12 Aug. 23/ Holotype ♂ Ps. (Pericoma) scotiae Curr., CNC No. 760.

Allotype ♀: Same data as holotype.

Paratype: 1♂ (slide), Nova Scotia.

## SCATOPSIDAE

***Anapausis truncata*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 535. NEPAL.

Holotype ♂ (slide): Nepal, Ktmd., Godavari, 5000', 15.IV.1967, Can. Nepal Exped/ Holotype Anapausis truncata E.F. Cook 1978/CNC No. 15953.

***Arthria masoni*** Cook, 1965, Ann. ent. Soc. Am. 58(5): 720. USA.

Holotype ♀ (slide): Mile 236 Richard Hwy. Alaska, 16.VI.1951, W.R.M. Mason/Holotype Arthria masoni Cook 1965, CNC Type No. 8941.

***Arthria spathis*** Cook, 1965, Ann. ent. Soc. Am. 58(5): 720. CANADA.

Holotype ♂ (slide): Low Bush, Lake Abitibi, Ont. VI-21-1925, N.K. Bigelow/Holotype Arthria spathis Cook 1965, CNC Type No. 8940.

Paratypes: 1♂, Quebec; 1♂, Ontario.

***Aspistes antidactylatis*** Cook, 1965. Ann. ent. Soc. Am. 58(5): 715. CANADA.

Holotype ♂ (slide): Goose Bay, Labr. VII.1952, J.J. Tibbles/Holotype Aspistes antidaktylatus [sic] E.F. Cook, CNC No. 8942.

Paratypes: 1♂, Quebec; 1♂, 1♀ (slide), Labrador.

Remarks: One specimen is mounted on a slide and labeled as an allotype. However, no allotype was designated in the original description; therefore, the specimen is a paratype.

***Aspistes harti*** Malloch, 1920, Ent. News 31: 275. USA.

Paratype: 1♂, Illinois, CNC No. 2711.

***Aspistes occidentalis*** Cook, 1965, Ann. ent. Soc. Am. 58(5): 718. CANADA.

Remarks: There is a specimen labeled as a paratype by Cook, but it is from a locality not mentioned in the original description.

***Colobotema altiscutum*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 533. NEPAL.

Holotype ♂ (slide): 27°58'N., 85°00'E., Mal. tr. 3, 11000', 21 May 1967, Can. Nepal Exped. Scatopsidae/Holotype Colobostema altiscutum E.F. Cook 1978/CNC No. 15948.

Remarks: In the original description of *C. altiscutum* the name *Colobostema* was misspelled *Colobotema*.

***Colobostema biplectrum*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 533. NEPAL.

Holotype ♂ (slide): Nepal, 27°58'N., 85°00'E., 11000 ft, 5 June 1967, Can. Nepal Exped/Holotype Colobostema biplectrum, E.F. Cook 1978/CNC No. 15949.

***Colobostema brevipennis*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 535. NEPAL.

Holotype ♂ (slide): Nepal nr. Birganj, Lothar, 450', 11 Sept 67, Mal. tr. 32, Can. Nepal Exped. Holotype Colobostema brevipennis E.F. Cook 1978/CNC No. 15951.

***Colobostema chilcotti*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 535. NEPAL.

Holotype ♂ (slide): Nepal, Ktmd., Godavari, 6000 ft, 16-VIII-67, Mal. tr. Can. Exp. Holotype Colobostema chilcotti E.F. Cook 1978/CNC No. 15952.

Paratypes: 4♂♂ (slides), Nepal.

Remarks: One paratype from Pulchauki, Nepal, has a published date of 18.VIII.67, but labeled as 18.VI.67. There are four additional males in alcohol from Nepal, labeled as paratypes by Cook, but these were not included in the original type series.

***Colobostema dicentrum*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 533. NEPAL.

Holotype ♂ (slide): Nepal, Pulchauki, 6600', 18.VII.67, Malaise trap, W.R.M. Mason Holotype Colobostema dicentrum E.F. Cook 1978/CNC No. 15950.

***Colobostema josephi*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 531. NEPAL.

Holotype ♂ (slide): Nepal, Ktmd. Pulchauki, 7300', 6.VIII.1967, Mal. tr. 14. Mal. tr., Can. Exp/Holotype Colobostema josephi E.F. Cook 1978/CNC No. 15947.

Paratypes: 4♂♂ (slides), Nepal.

Remarks: One paratype from Godavari, Nepal, has a published date of 18.VII.67, but labeled as 16-VIII-1967. There are twelve additional males (in alcohol), labeled as paratypes by Cook, but these were not included in the original type series.

***Rhegmoclema borealis*** Cook, 1955, Ann. ent. Soc. Am. 48: 249. CANADA.

Holotype ♂ (slide): Chesterfield, N.W.T. 12.VII.1950, J.G. Chilcott/Holotype ♂ Rhegmoclema borealis Cook, CNC No. 6317 Det. E.F. Cook '53.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 3♂♂, 3♀♀, Northwest Territories.

***Rhegmoclema reticulatum*** Cook, 1955, Ann. ent. Soc. Am. 48: 251. CANADA.
Holotype ♂ (slide): Bradford, Ont. 6.IX.50 T.N. Freeman/Holotype Rhegmoclema reticulatum Cook, CNC No. 6318 Det. Cook 1953.
Allotype ♀ (slide): Blackburn, Ont. 13.VI.1951, J.F. McAlpine/Allotype Rhegmoclema reticulatum Cook 1953, CNC No. 6318.
Remarks: There is one additional specimen labeled as a paratype, but it is from a locality not mentioned in the original description.

***Rhegmoclema vockerothi*** Cook, 1969, J. nat. Hist. 3: 402. SPAIN.
Holotype ♀ (slide): N. slope Veleta, Sierra Nevada Spain, 2200 m./30.VII.1960, J.R. Vockeroth/Holotype Rhegmoclema vockerothi E.F. Cook 1967, CNC No. 13905.

***Rhegmoclemina (Rhegmoclemina) melanderi*** Cook, 1955, Ann. ent. Soc. Am. 48: 356. USA.
Paratype: 1♂ (slide), Ontario, CNC No. 6319.

***Rhexoza amaryllis*** Cook, 1975, Pan-Pacif. Ent. 51(1): 73. CANADA.
Holotype ♀ (slide): Pt. Credit, Ont., Nov 1966 Ex. rotting amaryllis bulbs 66-45, H.J. Teskey/Holotype Rhexoza amaryllis E.F. Cook 1975, CNC No. 13908.
Paratypes: 1♀ (pinned), 4 larvae, 2 pupae (alcohol), 2♀♀ (slides), Ontario.

***Rhexoza borealis*** Cook. 1975, Pan-Pacif. Ent. 51(1): 70. USA.
Holotype ♀ (slide): Umiat, Alaska, 8.VII.1958, J.E.H. Martin/Holotype Rhexoza borealis E.F. Cook 1973, CNC No. 13906.

***Rhexoza incisa*** Cook, 1956, Ann. ent. Soc. Am. 49(1): 6. USA.
Paratype: 1♂, Ontario (Canada), CNC No. 6429.

***Rhexoza teskeyi*** Cook, 1975, Pan-Pacif. Ent. 51(1): 71. CANADA.
Holotype ♀ (slide): Stonecliffe, Ont., A.H. Rose, Aug. 12, 1962 Assoc. vial with other adults and immatures. Twigs of red pine infested with ***pissodes*** red pine weevil and Lonchaea sp., Mount Euparal H.J.T./ Holotype Rhexoza teskeyi E.F. Cook 1974, CNC No. 13907.
Paratypes: 3♂♂, 3♀♀ (slides), 4♂♂, 3♀♀ (adults), 1 larva, 2 pupal exuviae (alcohol), Ontario.

***Scatopse alpestris*** Cook, 1957, Ann. ent. Soc. Am. (1956) 49(6): 600. USA.
Paratypes: 1♂, 1♀, Alaska; 2♀♀, Alberta (Canada); 1♂, 3♀♀, British Columbia (Canada), CNC No. 6320.

***Scatopse fattigi*** Cook, 1957, Ann. ent. Soc. Am. (1956) 49(6): 604. USA.
Paratypes: 1♂, New Hampshire; 1♀ (slide), Quebec (Canada); 1♂, 1♀, Ontario (Canada), CNC No. 6321.

***Swammerdamella acuta*** Cook, 1956, Ann. ent. Soc. Am. 49(1): 20. SWEDEN.
Holotype ♂ (slide): Pajala, Nb. Sweden, 27.VII.1951, J.R. Vockeroth/Holotype ♂ Swammerdamella acuta E.F. Cook 1954, CNC No. 6323.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 3♂♂ (slides), Sweden.

***Swammerdamella adercotris*** Cook, 1972, J. nat. Hist. 6: 629. SWEDEN.
Holotype ♂ (slide): Pajala, Nb. Sweden, 27.VIII.1951, J.R. Vockeroth/Holotype Swammerdamella adercotris Cook 1968, CNC No. 11469.
Paratype: 1♂ (slide), Sweden.

***Swammerdamella chillcotti*** Cook, 1956, Ann. ent. Soc. Am. 49(1): 26. CANADA.
Holotype ♂ (slide): Farnworth L., Nr. Churchill, Man. 12.VI.1952, J.G. Chillcott/Ecological data F-DE/Holotype Swammerdamella chillcotti E.F. Cook 1954, CNC No. 6324.

***Swammerdamella magnifica*** Cook, 1956, Ann. ent. Soc. Am. 49(1): 20. INDIA.
Holotype ♂ (slide): Nilgira Hills, S. India VII.1950 P.S. Nathan, Dedabetta 8640/ Holotype ♂ Swammerdamella magnifica E.F. Cook 1954, CNC No. 6325.
Allotype ♀ (slide): Same data as holotype.
Paratypes: 5♂♂, 6♀♀, India.

***Swammerdamella obtusa*** Cook, 1956, Ann. ent. Soc. Am. 49(1): 26. USA.
Paratypes: 1♂ (slide), Quebec (Canada); 1♂ (slide), Saskatchewan (Canada), CNC No. 6322.

***Villoscatopse intermedia*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 531. NEPAL.
Holotype ♂ (slide): Nepal nr. Birganj, Lothar, 450 ft, 11 Sept '67, Malaise trap 32, Can. Nepal Exped./Holotype Villoscatopse intermedia E.F. Cook 1978/CNC No. 15946.
Paratype: 1♂ (slide), Nepal.

***Villoscatopse prima*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 531. NEPAL.
Holotype ♂ (slide): Adhawar, 4 mi N. of Simra, Nepal, 24.VIII.1967, 1400', Mal. trap 25, Can. Nepal Exped. Scatopsidae/Holotype Villoscatopse prima E.F. Cook 1978/CNC No. 15945.

***Villoscatopse ultima*** Cook, 1978, Ann. ent. Soc. Am. 71(4): 529. NEPAL.
Holotype ♂ (slide): Nepal, Ktmd. Pulchauki, 7500' 6-VIII-1967, Mal. tr. 14, Can. Exp. Holotype Villoscatopse ultima E.F. Cook 1978/CNC No. 15944.
Paratypes: 2♂♂ (alcohol), 3♂♂ (slides), Nepal.
Remarks: The slide bearing the holotype, and obviously the specimen illustrated by Cook, was mislabeled with data for one of the paratypes cited in Cook (1978). One paratype specimen was similarly mislabeled with data cited for the holotype. New labels with the correct locality data have been affixed to the underside of the appropriate slides.

## SCIARIDAE

***Sciara arcuata*** Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Holotype ♂: Cranbrook, B.C. 22.VII./Holotype Sciara arcuata Garrett, CNC No. 7909/4835 hypo/Holotype Sciara arcuata ♂ Garrett, C.B.D. Garrett.

Remarks: This species was apparently described from a single male specimen, which may be considered the holotype. The terminalia of the holotype are mounted on microscope slide No. 4835. The head is missing from the specimen.

***Sciara caesar*** Johannsen, 1929, Can. Ent. 61: 223. CANADA.

Paratypes: 1♂ (slide), Ontario, CNC No. 3040.

***Sciara clavata*** Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Holotype ♂: Nelson, B.C., 24.VI., C. Garrett/ Holotype Sciara clavata Garrett, CNC No. 7908/4836 hypo/Holotype Sciara clavata ♂ Garrett, C.B.D. Garrett.

Remarks: This species was apparently described from a single male specimen which may be considered the holotype. The terminalia of the holotype are mounted on microscope slide No. 4836.

***Sciara diderma*** Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Syntype: 1♂, Cranbrook, B.C., 7.V.21/C. Garrett Collector/4742 hypo/Holotype Sciara diderma ♂ Garrett, C.B.D. Garrett/Syntype Sciara diderma Garrett, CNC No. 7906.

Remarks: Since no holotype was indicated in the description, and two different months were listed, there appears to be a number of syntypes in the type series. However, there is only a single specimen in the CNC from Cranbrook, B.C. 7.V.21, labeled as holotype by Garrett. The terminalia are mounted on microscope slide No. 4Y42.

***Sciara diota*** Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Syntype: 1♂, Marysville, B.C., 19.VIII., C. Garrett/Holotype Sciara diota ♂ Garrett, C.B.D. Garrett/Syntype Sciara diota Garrett, CNC No. 7907.

Remarks: Since no holotype was indicated in the original description, and more than one month was listed, there appears to be a number of syntypes in the type series. However, there is only a single specimen in the CNC from Marysville, B.C. 19.VIII., C. Garrett, labeled as holotype by Garrett.

***Sciara transpacifica*** Curran, 1925, Can. Ent. 57: 292. CHINA.

Holotype ♂: Hong-Kong, Toronto, June 19, ex. Ginger roots/Holotype Sciara transpacifica Curran, CNC No. 1542/Sciara transpacifica Curran, Det. C.H. Curran.

Remarks: The holotype specimen is missing from the pin and is apparently lost. This single male specimen was taken from "underground ginger roots" imported from Hong Kong, China, intercepted at Toronto, Ont.

***Sciara unicorn*** Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Holotype ♂: Cranbrook, B.C., 10.VI./Holotype Sciara unicorn Garrett, CNC No. 7910/4Y43 hypo/Holotype Sciara unicorn ♂ Garrett, C.B.D. Garrett.

Remarks: This species was apparently described from a single male specimen which may be considered the holotype. The terminalia of the holotype are mounted on microscope slide No. 4Y43.

***Sciara (Neosciara) browni*** Shaw, 1935, Can. Ent. 67: 229. CANADA.

Syntype: 1♂, Timagami, Ont., 6.IX.1934, A.W.A. Brown/Paratype Sciara browni Shaw, CNC No. 4048/Paratype Sciara browni/Syntype Sciara (Neosciara) browni Shaw, CNC No. 4048.

Remarks: Since no holotype was indicated in the original description, all six males from the type series are syntypes.

## SIMULIIDAE

***Austrosimulium (Austrosimulium) dumbletoni*** Crosby, 1976, N.Z. Jl. Zool. 3: 17. NEW ZEALAND.

Paratype: 1♀ (alcohol), New Zealand, CNC No. 17299.

***Cnephia abdita*** Peterson, 1962, Can. Ent. 94: 96. CANADA.

Holotype ♀ (alcohol, with pupal exuviae): Small Stream, Lake of Two Rivers nature trail, 1/4 mile North of Hwy. 60, Mile 20, Algonquin Park, Ont., June 3, 1959 B.V. Peterson/ Holotype/Holotype Cnephia abdita ♀ Peterson, CNC No. 7525.

Allotype ♂ (alcohol, with pupal exuviae): Same data as holotype, except, 2 June 1959.

Paratypes: 1♂, 2♀♀ (pinned), 5 vials (alcohol) containing 5♂♂, 5♀♀ adults, approximately 30 larvae, 4 pupae, Ontario.

Remarks: The 3 pinned paratypes have their pupal exuviae stored in a glass microvial pinned with the specimen. The 10 adult paratypes in alcohol have their associated pupal exuviae stored in the same vial.

***Cnephia abditoides*** Wood, 1963, Proc. ent. Soc. Ont. (1962) 93: 95. CANADA.

Holotype ♀ (with pupal exuvia): Stream 1, 3 mi. S. Huntsville, Ont., 9-V-1962, Davies & Wood/Holotype Cnephia abditoides Wood, CNC No. 8195.

Allotype ♂ (with pupal exuvia): Same data as holotype.

Paratypes: 1♂, 4♀♀, Ontario; 1 (slide) pupal exuviae.

Remarks: The holotype has the pupal exuviae stored in a glass microvial pinned with specimen. The allotype has the pupal exuviae and the terminalia stored in 2 separate microvials pinned with the specimen. Four paratypes have the pupal exuviae plus 1 ♂ and 1 ♀ terminalia stored in glass microvials that are pinned with the respective specimens. One slide, No. GES 6611-09B, is labeled as a paratype, but the pinned specimen is not according to the original description. A paratype is deposited in the USNM; therefore, this slide probably is not a paratype. A male of this species (the paratype mentioned above) was unfortunately selected by Davies, Peterson and Wood

(1962) for the illustration (Fig. 59) of the terminalia of Cnephia abdita Peterson.

***Cnephia denaria*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 97. CANADA.

Holotype ♀ (slide): 1 mi. West of Renfrew, Ont., 3-V-61, B.V. Peterson and E. Bond B.V.P., CNC No. 7995/Holotype Cnephia denaria Davies, Peterson and Wood, B.V.P. Coll. No. 256 1961.

Allotype ♂ (alcohol): 9.2 miles east of Kaladar, Frontenac Co., Ontario, May 6, 1961, B.V. Peterson and E.F. Bond/Allotype ♂ Cnephia denaria Davies, Peterson & Wood.

Paratypes: 2♂♂, 1♀ (pinned), 1 (slide) ♀ pupal exuviae, Ontario.

Remarks: The pupal exuviae of the holotype is stored in alcohol. The pinned paratypes have the terminalia stored in a glass microvial pinned with the respective specimens.

***Cnephia eremites*** Shewell, 1952, Can. Ent. 84: 36. CANADA.

Holotype ♀: Coral Harbour, Southampton Is., Em. 23.VII.1948, G.E. Shewell/39/S48718/ Alc. Coll./Holotype Cnephia eremites Sh., CNC No. 5988.

Allotype ♂: Same data as holotype, except S48718-15.

Paratypes: 50♂♂, 14♀♀, Northwest Territories; 8 (slides) containing 3 larvae, 4 pupal exuviae, 1 ♀ adult on same slide, 1♀ anterior tarsal claws, 13 vials (alcohol) containing approximately 100 adults, 100 pupae, 20 larvae plus 20 associated pupal exuviae.

Remarks: The holotype and allotype have the associated pupal exuviae preserved in alcohol. The label on the holotype gives an em. date of 23.VII.1948, while the original description gives a date of 22.VII.1948.

***Cnephia freytagi*** Defoliart & Peterson, 1960, Ann. ent. Soc. Am. 53(2): 216. USA.

Paratypes: 1♀, 6 larvae (alcohol), Wyoming, CNC No. 17297.

Remarks: The ♀ paratype has its associated pupal exuviae stored in alcohol with the adult.

***Cnephia jeanae*** Defoliart & Peterson, 1960, Ann. ent. Soc. Am. 53(2): 218. USA.

Paratypes: 5 vials (alcohol), 2♂♂, 1♀ adults, many pupae & pupal exuviae, approximately 60 larvae, 2 (slides) of 2 pupal exuviae, Utah, CNC No. 17298.

***Cnephia ornithophilia*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 102. CANADA.

Holotype ♀ (slide): Wildlife Research Sta., Algonquin Pk., Ont., 27-V-59, G.F. Bennett ex Blue Jay B.V.P./Holotype ♀ Cnephia ornithophilia Davies, Peterson & Wood, slide No. 041, CNC No. 7996.

Paratypes: 15♀♀ (alcohol), 3♀♀ (pinned), Ontario.

***Cnephia saileri*** Stone, 1952, Proc. ent. Soc. Wash. 54(2): 82. USA.

Paratypes: 1♂, 1♀, Alaska; 34♂♂, 107♀♀, Alberta (Canada); 3♂♂, 12♀♀, Yukon Territory (Canada), CNC No. 6014. 8 (slides) containing 4♂♂ adult, 6 pupal exuviae, 1♀ terminalia, 9 vials (alcohol), 8♂♂, 2♀♀ adults, 31 pupal exuviae, 4 pupae.

Remarks: The pinned male paratypes have the abdomen stored in a glass microvial pinned with the respective specimens.

***Cnephia saskatchewana*** Shewell & Fredeen, 1958, Can. Ent. 90: 733. CANADA.

Holotype ♀: Prince Albert, Sask,. Shell River, May 12, 1949, H. Fredeen/16403105 N7/N27 40-111/Holotype Cnephia saskatchewana Sh. & Fdn., CNC No. 6644/Slide No. GES 55702-14B/Slide No. GES 55801-20A.

Allotype ♂: N. Sask. R., Prince Albert, Sask., May 13, 1954, F.J.H. Fredeen/Prob. originated in Shell River Larv. Coll. 13 May. Reared in lab. 19.V./1-40-133/Allotype Cnephia saskatchewana Sh. & Fdn., CNC No. 6644/Slide No. S231 Fredeen/Slide No. GES 5801-20C.

Paratypes: 4♀♀ (pinned), 7 (slides) 3 pupal exuviae, 1♀ terminalia, 1♀ tarsal claws, 1♀ head, antennae, mouth parts, 1♀ wing and legs, Saskatchewan.

Remarks: The holotype has the terminalia and pupal exuviae mounted on 2 separate slides. The allotype has 4 slides, 1 of the wing, 1 of all the legs, 1 pupal exuviae, 1♂ terminalia. The 4 pinned paratypes have the pupal cocoons stored in a glass microvial pinned with the respective specimen.

***Cnephia sommermanae*** Stone, 1952, Proc. ent. Soc. Wash. 54(2): 84. USA.

Paratypes: 2♀♀ (pinned), 1 vial (alcohol), 1♂ adult, 3 pupae, 5 pupal exuviae, Alaska, CNC No. 7456.

Remarks: The pupal exuviae and cocoon of the pinned paratypes are mounted on a paper point, pinned with the adult specimen.

***Cnephia villosa*** Defoliart & Peterson, 1960, Ann. ent. Soc. Am. 53(2): 213. USA.

Paratypes: 2 vials (alcohol) 2♂♂, 1♀ adults (with associated pupal exuviae), 4 larvae, 5 (slides), 1 of ♀ head, 1 of ♀ legs, 1 of ♀ terminalia, 1 of ♂ terminalia, 1 of mature larvae, Wyoming, CNC No. 11934.

***Eusimulium congareenarum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 20. USA.

Paratypes: 2♀♀, South Carolina, CNC No. 4461.

***Eusimulium fallisi*** Golini, 1975, Entomologica scand. 6: 232. NORWAY.

Holotype ♀ (alcohol): a) water level, Renaa R., Rendalen, Norway, 16-VII-1968, V.I. Golini, Eusimulium fallisi n.sp. Golini 1975, ♀ Holotype Ex. $CO_2$ trap, 100 cc/min. (underside of label) in 70 Etoh-Glycerine/ Holotype Eusimulium fallisi Golini, CNC No. 13914.

Paratypes: 8♀♀ (alcohol), Norway.

***Eusimulium furculatum*** Shewell, 1952, Can. Ent. 84: 40. CANADA.

Holotype ♂: Churchill, Man., G.R. 9.VII.1947, Reared CRT./♂/Holotype Eusimulium furculatum Sh., CNC No. 5990.

Allotype ♀: Same data as holotype except, 10.VII.1947.

Paratypes: 3♂♂, 5♀♀ Manitoba; 1♀ (slide), 1♀ (slide) anterior tarsal claws, 4 vials (alcohol) approximately 50 pupal exuviae, 8 vials (alcohol) adults 4♂♂, 10♀♀ with associated pupal exuviae.

***Eusimulium innocens*** Shewell, 1952, Can. Ent. 84: 38. CANADA.

Holotype ♀: Bell's Corners, Ont., 2-VI-1950, G.E. Shewell/F5, 6-VI-50 D.P. Gray/Holotype Eusimulium innocens Shew., CNC No. 5989/Alc. Coll.

Allotype ♂: Same data as holotype, except No. K4, collected 7.VI.1950, emerged 11.VI.1950.

Paratypes: 11♂♂, 8♀♀, (pinned), 5 vials approximately 100 larvae (alcohol), 1 vial, 2 pupae, 2 (slides), 1 of ♀ tarsal claws, 1 of pupal exuviae, Ontario.

Remarks: The holotype and allotype have their pupal exuviae stored in alcohol. One ♂ and two ♀♀ pinned paratypes have the apical porton of the abdomen and terminalia stored in a glass microvial pinned with the specimen.

***Eusimulium minus*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 21. USA.

Paratypes: 4♀♀, California, CNC No. 4460.

***Eusimulium osborni*** Stains & Knowlton, 1943, Ann. ent. Soc. Am. 36: 271. USA.

Paratype: 1♀, California, CNC No. 6626.

***Eusimulium pilosum*** Knowlton & Rowe, 1934, Ann. ent. Soc. Am. 27(4): 580. USA.

Paratypes: 2♀♀, Utah, CNC No. 3914.

***Eusimulium rendalense*** Golini, 1975, Entomologica scand. 6: 229. NORWAY.

Holotype ♀ (alcohol): a) water level, Renaa R., Rendalen, Norway, 16-VII-1968 V.I. Golini, Eusimulium rendalense n.sp. Golini 1975 ♀ Holotype. Ex $CO_2$ trap, 100 cc/min. (underside of label) in 70 Etoh-Glycerine/Holotype Eusimulium rendalense Golini, CNC No. 13913/Preserved in 70 Etoh-Glycerine.

Paratypes: 8♀♀ (alcohol), Norway.

***Gymnopais dichopticoides*** Wood, 1978, Can. Ent. 110: 1315. CANADA.

Holotype ♀ (with associated pupal exuviae): Mile 1057 Alaska Hwy. Y.T., 30.VII.1963, G.C. & D.M. Wood/Holotype Gymnopais dichopticoides Wood, CNC No. 15765.

Paratypes: 21♀♀ (with associated pupal exuviae), Yukon Territory.

***Gymnopais dichopticus*** Stone, 1949, Proc. ent. Soc. Wash. 51(6): 261. ALASKA.

Paratypes: 1♂, 1♀, Alaska, CNC No. 7458.

Remarks: We have 3 pupae and 4 larvae from Kluane, Y.T. 28 July 1948, Mason & Hughes, stored in the CNC alcohol collection, but there are no labels to indicate that Stone had this material before him.

***Gymnopais fimbriatus*** Wood, 1978, Can. Ent. 110: 1316. CANADA.

Holotype ♂: Mile 47.5 Y.T., Ogilvie Mt. Rd., 4-IX-1963, G.C. & D.M. Wood/Holotype Gymnopais fimbriatus Wood, CNC No. 15766.

Allotype ♀: Same data as holotype.

Paratypes: 28♂♂, 21♀♀, Yukon Territory.

Remarks: Forty of the paratypes have associated pupal exuviae pinned with the specimen.

***Gymnopais holopticoides*** Wood, 1978, Can. Ent. 110: 1313. CANADA.

Holotype ♀ (with associated pupal exuviae): Victoria Is., N.W.T., 71°17'N, 114°W, 23-28.VII.1975, G. & M. Wood/Holotype Gymnopais holopticoides Wood, CNC No. 15764.

Paratypes: 27♀♀ (with associated pupal exuviae), Northwest Territories.

***Gymnopais holopticus*** Stone, 1949, Proc. ent. Soc. Wash. 51(6): 265. ALASKA.

Paratypes: 1♂, 1♀ (with associated pupal exuviae), Alaska; 2 pupae (alcohol), Baffin Island (Canada), CNC No. 7457.

***Odagmia croatica*** Baranov, 1937, Vet. Arh. 7(5): 263 (Croatian), 274 (German). YUGOSLAVIA.

Lectotype ♀: Croatia, Zagreb, 23.III.1931/Typus/Lectotype Odagmia croatica Bar., CNC No. 17223/Odagmia croatica Typus det. Baranoff.

Paralectotypes: 1♂, 2♀♀, Yugoslavia.

Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 197).

***Odagmia croatica*** form ***decolorata*** Baranov, 1937, Vet. Arh. 7(5): 264 (Croatian), 276 (German). YUGOSLAVIA.

Lectotype ♀: Croatia, Zagreb, 30.III.1931/Typus/Lectotype Odagmia croatica decolorata Bar., CNC No. 17224/Odagmia croatica decolorata nova forma.

Paralectotypes: 2♂♂, 2♀♀, Yugoslavia.

Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 197).

***Odagmia croatica*** form ***nigrina*** Baranov, 1937, Vet. Arh. 7(5): 264 (Croatian), 275 (German). YUGOSLAVIA.

Lectotype ♀: Croatia, Zagreb, 23.III.1931/Typus/Lectotype Odagmia croatica nigrina Bar., CNC No. 17225/Odagmia croatica nigrina sp.n.

Paralectotypes: 1♂, 1♀, Yugoslavia.

Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 197).

***Odagmia ornata*** (Meigen), form ***anderliceki*** Baranov, 1937, Vet. Arh. 7(5): 263 (Croatian), 274 (German). YUGOSLAVIA.

Holotype ♂: Golubac, 24.V.1936/Typus/Holotype Odagmia ornata anderliceki Bar., CNC No. 17259/Odagmia ornata anderliceki Typus det. Baranoff/Odagmia ornata anderliceki Baranov.

Paratypes: 8♂♂, 11♀♀, Yugoslavia.

***Odagmia ornata*** (Meigen), form ***babici*** Baranov, 1937, Vet. Arh. 7(5): 261 (Croatian), 273 (German). YUGOSLAVIA.

Holotype ♂: Skopje, Vardar, 21.I.1927/Odagmia ornata prima/Typus/Holotype Odagmia ornata babici ♂ Bar., CNC No. 17260/Paratype Odagmia ornata babici ♀ Bar., CNC No. 17260/Odagmia babici/Odagmia ornata babici mihi Typus det. Baranoff.

Paratypes: 7♂♂, 8♀♀, Yugoslavia.

Remarks: One ♀ paratype is mounted on the same pin as holotype.

***Odagmia ornata*** (Meigen), form ***bartulici*** Baranov, 1937, Vet. Arh. 7(5): 262 (Croatian), 274 (German). YUGOSLAVIA.

Holotype ♂: D. Milanovac, 6.V.1936/Typus/Holotype Odagmia ornata bartulici Bar., CNC No. 17261/Odagmia ornata bartulici/Odagmia ornata bartulici mihi det. Baranoff.

Paratypes: 4♂♂, 6♀♀, Yugoslavia.
Remarks: One paratype has the associated pupal exuviae pinned with specimen.

***Odagmia ornata*** (Meigen), form ***borcici*** Baranov, 1937, Vet. Arh. 7(5): 261 (Croatian), 273 (German). YUGOSLAVIA.
Holotype ♀: Skopje, 17.X.1926/Typus/Holotype Odagmia ornata borcici Bar., CNC No. 17262/Odagmia ornata borcici Baranov/ Odagmia ornata borcici mihi Typus det. Baranoff.
Paratypes: 6♂♂, 14♀♀, Yugoslavia; 1 pupal exuviae.
Remarks: Both wings are missing from the holotype. Two male paratypes have the associated pupal exuviae pinned with the specimen.

***Odagmia ornata*** (Meigen), form ***guelminoi*** Baranov, 1937, Vet. Arh. 7(5): 262 (Croatian), 273 (German). YUGOSLAVIA.
Holotype ♀: Nis, 1.VI.1935/Typus/Holotype Simulium ornata guelminoi Bar., CNC No. 17263/Odagmia ornata guelminoi Baranov/ Odagmia ornata guelminoi m. Typus det. Baranoff.
Paratypes: 23♂♂, 38♀♀, Yugoslavia.

***Odagmia ornata*** (Meigen), form ***nikolici*** Baranov, 1937, Vet. Arh. 7(5): 262 (Croatian), 274 (German). YUGOSLAVIA.
Holotype ♀: Nis, A. IV.1935/Odagmia ornata/Typus/Holotype Odagmia ornata nikolici Bar., CNC No. 17264/Odagmia ornata nikolici Baranov/ Odagmia ornata nikolici mihi Typus det. Baranoff.
Paratypes: 6♂♂, 2♀♀, Yugoslavia.

***Odagmia ornata*** (Meigen), form ***prima*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184, 189. YUGOSLAVIA.
Lectotype ♀: Tuman, 5.IV.25 e.p./Neotypus ♂/Neotypus ♀/Lectotype Odagmia ornata prima ♀ Bar., CNC No. 17265/Paralectotype Odagmia ornata prima ♂ Bar., CNC No. 17265/Odagmia ornata prima Baranov/ Odagmia ornata prima det. Baranoff.
Paralectotypes: 3♂♂, 6♀♀, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 200). One ♂ paralectotype is mounted on the same pin as the lectotype. One female paralectotype has the associated pupal exuviae pinned with the specimen.

***Odagmia ornata*** (Meigen), form ***savici*** Baranov, 1937, Vet. Arh. 7(5): 262 (Croatian), 274 (German). YUGOSLAVIA.
Holotype ♂: Pirot, 12.IV.1935/Odagmia konsuloffi end./Typus/Holotype Odagmia ornata savici Bar., CNC No. 17266/Odagmia savici forma nova/Odagmia ornata savici mihi Typus det. Baranoff.
Paratypes: 4♂♂, 1♀, Yugoslavia.

***Odagmia ornata*** (Meigen), form ***zagrebiensis*** Baranov, 1937, Vet. Arh. 7(5): 263 (Croatian), 274 (German). YUGOSLAVIA.
Lectotype ♂: Croatia, Zagreb, 10.II.1931/ Typus/Lectotype Odagmia ornata zagrebiensis Bar., CNC No. 17267/Odagmia ornata zagrebiensis mihi det. Baranoff.
Paralectotypes: 2♂♂, 1♀, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 201). One ♂ paralectotype has the associated pupal exuviae pinned with the specimen.

***Odagmia ruficornis*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184. YUGOSLAVIA.
Lectotype ♂: Golubac, 27-V-25/Typus/Lectotype Simulium ruficornis Bar., CNC No. 17291/Odagmia ruficornis sp.n. Baranov.
Paralectotypes: 2♂♂, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 201). Both paralectotypes are pinned on the same double mount.

***Odagmia ruficornis*** form ***secunda*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184. YUGOSLAVIA.
Lectotype ♀: Golubac, 27.V.1925/Typus/Lectotype Simulium ruficornis secunda Bar., CNC No. 17292/Odagmia ruficornis secunda.
Paralectotype: 1♀, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 202).

***Odagmia tenuitarsus*** Baranov, 1937, Vet. Arh. 7(5): 264 (Croatian), 276 (German). YUGOSLAVIA.
Holotype ♀: Croatia, Zagreb, 9.IV.1929/ Typus/Holotype Simulium tenuitarsus Bar., CNC No. 17293/Odagmia tenuitarsus sp.n. Typus det. Baranov.

***Odagmia (Pseudodagmia) kondici*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(15-16): 161. YUGOSLAVIA.
Lectotype ♀ (with associated pupal exuviae): Tuman, 9.VI.25/Lectotype Odagmia kondici Bar., CNC No. 17258/Simulium kondici n.sp. N. Baranoff.
Paralectotypes: 3♀♀, Yugoslavia; 1 pupal exuviae.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 197).

***Paracnephia morotoensis*** McCrae & Prentice, 1965, Proc. R. ent. Soc. Lond. (B). 34(5-6): 53. UGANDA.
Paratypes: 3♂♂, 3♀♀, Uganda, CNC No. 9384.

***Parasimulium (Parasimulium) stonei*** Peterson, 1977, Proc. ent. Soc. Wash. 79(1): 102. USA.
Paratype: 1♂, Oregon, CNC No. 17525.
Remarks: Most of the paratype is mounted on a microscope slide, under 9 separate cover slips. The terminalia are stored in a glass microvial pinned and stored in the same tray as slide.

***Prosimulium borealis*** Malloch, 1919, Report of the Canadian Arctic Expedition 1913-18. Vol. 3: P+C: p. 41. CANADA.
Holotype ♀: Wollaston, Franklin/Coll. D. Jenness/Canadian Arctic Expedition summer 1915/ Holotype Prosimulium borealis Mall. CNC No. 1148/Prosimulium borealis Mall. Type/Slide No.
Remarks: The holotype has the terminalia mounted on microscope slide No. E66. The original description lists the type as being a male, but it is a female.

***Prosimulium caudatum*** Shewell, 1959, Can. Ent. 91: 688. CANADA.
Holotype ♀ (with associated pupal exuviae): Nile Creek, Qualicum, B.C. 12.VI. em. 13.VI.1955,

G.E. Shewell/Holotype Prosim. caudatum Shew., CNC No. 6926.
Allotype ♂ (with associated pupal exuviae): same data as holotype, except em. 14.VI.1955.
Paratypes: 27♂♂, 25♀♀ (pinned), British Columbia; 1♀, Washington (USA); 2♂♂, 2♀♀ (slides), 6 pupae (slides), 2 (slides) female terminalia, 5 (slides) larvae, 2 vials approximately 70 pupae and pupal exuviae (alcohol), British Columbia.
Remarks: 43 paratypes have the associated pupal exuviae stored in a glass microvial pinned with the specimen.

***Prosimulium daviesi*** Peterson & Defoliart, 1960, Can. Ent. 92: 85. USA.
Paratypes: 1♂, 1♀ adults, 1 pupa, 15 larvae, Wyoming, CNC No. 7534.
Remarks: All above paratypes are preserved in alcohol. Each adult has the associated pupal exuviae stored in alcohol with the respective specimen.

***Prosimulium dicum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 7. USA.
Paralectotype: 1♀, Washington, CNC No. 4463.
Remarks: According to Shewell (1959, p. 688) this specimen, originally included as a paratype of *P. dicum* Dyar and Shannon (1927, p. 7), was misidentified. Shewell (1959, p. 691) included it as a paratype of *P. caudatum* Shewell. For lectotype designation see Peterson (1970, p. 120). The paralectotype has the apical portion of the abdomen and terminalia mounted on a microscope slide.

***Prosimulium doveri*** Sommerman, 1962, Proc. ent. Soc. Wash. (1961) 63(4): 226. USA.
Paratypes: 3♂♂, 2♀♀ (alcohol, with associated pupal exuviae), Alaska, CNC No. 17294.

***Prosimulium esselbaughi*** Sommerman, 1964, Proc. ent. Soc. Wash. 66(3): 141. USA.
Paratypes: 1♂, 1♀ (alcohol, with associated pupal exuviae), Alaska, CNC No. 17295.

***Prosimulium fontanum*** Syme & Davies, 1958, Can. Ent. 90: 708. CANADA.
Holotype ♀ (with associated pupal exuviae): Tote Rd. Stream # 1 L. Sasajewun, Algonquin Pk., Ont., 22-VI-56, P.D. Syme 308/orange label/Holotype Prosim. fontanum S. & D., CNC No. 6984.
Allotype ♂: Same data as holotype, except 20-VI-56, number 332.
Paratypes: 3♂♂, 3♀♀, Ontario.
Remarks: One paratype has the associated pupal exuviae stored in a glass microvial pinned with the specimen. The allotype and 5 paratypes have the maxillary palpus mounted on microscope slides.

***Prosimulium formosum*** Shewell, 1959, Can. Ent. 91: 692. CANADA.
Holotype ♀ (with associated pupal exuviae): R.R. track Strm. Bowser, B.C. 13.VI. em. 16.VI.1955, G.E. Shewell/Holotype Prosim. formosum Shew., CNC No. 6927.
Allotype ♂ (with associated pupal exuviae): Same data as holotype, except em. 18.VI.1955.
Paratypes: 2♀♀, Alberta; 13♂♂, 38♀♀, British Columbia; 2♀♀, Yukon Territory; 4♂♂, 2♀♀ (slides) British Columbia; 12 pupae (slides) British Columbia; 4 (slides) of female terminalia, 2 from British Columbia; 1, Alberta; 1, Yukon Territory; 3 (slides) larvae, 2 vials containing approximately 40 larvae and 12 pupal exuviae (alcohol).
Remarks: Twenty-seven paratypes have their pupal exuviae stored in glass microvials, pinned with the specimen.

***Prosimulium frohnei*** Sommerman, 1958, Proc. ent. Soc. Wash. 60(5): 196. USA.
Paratypes: 1♂, 3♀♀ (alcohol), with associated pupal exuviae, 1 (slide) 1 pupa, Alaska, CNC No. 6770.

***Prosimulium fulvithorax*** Shewell, 1959, Can. Ent. 91: 694. CANADA.
Holotype ♀ (with associated pupal exuviae): R.R. track Strm. Bowser, B.C., 4.VI. em 7.VI.1955, G.E. Shewell/Slide GES 5902-No. 05A/ Holotype Prosim. fulvithorax Shew., CNC No. 6928.
Paratypes: 1♀, 13 pupae on 9 (slides), 1 vial, 40 pupal exuviae (alcohol), British Columbia.
Remarks: The holotype has the pupal exuviae mounted on microscope slide No. GES 5902-05A.

***Prosimulium fuscum*** Syme & Davies, 1958, Can. Ent. 90: 702. CANADA.
Holotype ♀: Kahshe R. at Hwy # 11, Morrison Twp., Muskoka dist., Ont. 27-IV-56, P.D. Syme 24/orange label/Holotype Prosim. fuscum S. & D., CNC No. 6982.
Allotype ♂: Same data as holotype except the number 37.
Paratypes: 5♂♂, 5♀♀, Ontario.

***Prosimulium inflatum*** Davies, 1957, Proc. R. ent. Soc. Lond. (B) 26(1-2): 1. ENGLAND.
Paratypes: 2 pupae (slides), 1 vial (alcohol) 2 pupae, 6 larvae, England, CNC No. 17296.

***Prosimulium magnum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 6. USA.
Paratype: 1♀, Virginia, CNC No. 4464.

***Prosimulium mixtum*** Syme & Davies, 1958, Can. Ent. 90: 706. CANADA.
Holotype ♀: Sideroad 13-Conc. 6 Chinguacousy Twp., Peel Co., Ont., 1-V-56, P.D. Syme 36/orange label/Holotype Prosim. mixtum S. & D., CNC No. 6983.
Allotype ♂: Same data as holotype except, number 30.
Paratypes: 5♂♂, 5♀♀, Ontario.

***Prosimulium novum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 5. USA.
Paralectotypes: 4♀♀, Montana, CNC No. 4462.
Remarks: Two of the paralectotypes are stored in glass microvials pinned with the locality data. One paralectotype has the head stored in a glass microvial that is pinned with specimen. The terminalia are mounted on microscope slide No. GES 5811-14H. For lectotype designation see Wood (1978, p. 1308).

***Prosimulium perspicuum*** Sommerman, 1958, Proc. ent. Soc. Wash. 60(5): 199. USA.
Paratypes: 4♂♂, 4♀♀ (alcohol with associated pupal exuviae), Alaska, CNC No. 6771.

*Prosimulium shewelli* Peterson & Defoliart, 1960, Can. Ent. 92: 96. USA.
Paratypes: 1 pupal exuviae, 8 larvae (alcohol), Wyoming, CNC No. 7535.

*Prosimulium travisi* Stone, 1952, Proc. ent. Soc. Wash. 54(2): 76. USA.
Paratypes: 5 pupae (alcohol), Alaska, CNC No. 17216.

*Prosimulium uinta* Peterson & Defoliart, 1960, Can. Ent. 92: 91. USA.
Paratypes: 1♀ (pinned with associated pupal exuviae), Wyoming; 1 pupa (alcohol), Utah, CNC No. 7536.

*Prosimulium vernale* Shewell, 1952, Can. Ent. 84: 33. CANADA.
Holotype ♀: Bell's Corners, Ont. 9.V.1950, G.E. Shewell/Emerged into cage/Holotype Prosim. vernale Sh. CNC No. 5987.
Allotype ♂: Same data as holotype, except 5.V.1950.
Paratypes: 50♂♂, 64♀♀ (pinned), 4 vials, approximately 150 adults and 30 pupae (alcohol), 2 vials containing a pair of ♂ and ♀ wings, 7 (slides) 1♂, 1♀ adults, 1♂ terminalia, 4 pupal exuviae, Ontario.

*Prosimulium* (*Helodon*) *albertense* Peterson & Depner, 1972, Can. Ent. 104: 289. CANADA.
Holotype ♂ (alcohol, with associated pupal exuviae): Alberta: Gold Creek, Crowsnest pass, 5 mi. N. Frank, K.R. Depner, emerged 3-4.IX.1970, reared from larva coll. 24-VIII-1970/Holotype Prosimulium (Helodon) albertense Peterson & Depner, CNC No. 11819.
Allotype ♀ (alcohol, with associated pupal exuviae): Same data as holotype except, emerged 5-8 Sept 1970.
Paratypes: 20♂♂, 14♀♀, Alberta; 300 larvae, 70 pupae; 3 (slides) larvae.
Remarks: Most of the adult paratypes have the associated pupal exuviae stored in alcohol.

*Prosimulium* (*Helodon*) *clavatum* Peterson, 1970, Mem. ent. Soc. Can. 69: 57. CANADA.
Holotype ♂ (with associated pupal exuviae): Wolf Ck. Mile 907 Alaska Hwy. Y.T., 25-VIII-1963, G.C. & D.M. Wood/Holotype ♂ Prosimulium (H.) clavatum Peterson, CNC No. 9596.
Allotype ♀ (with associated pupal exuviae): Same data as holotype, except 24-VIII-1963.
Paratypes: 7♂♂, 13♀♀ (pinned), 4♂♂, 1♀ (alcohol), 2 vials containing approximately 200 larvae, 1 vial containing approximately 50 pupal exuviae (both alcohol), 8 (slides) 1♂, 1♀ adults, 1♂, 1♀ pupa, 4 larvae, Yukon Territory
Remarks: 16 of the pinned paratypes have their associated pupal exuviae pinned with the specimen. The date on the labeled holotype differs from that of the original description.

*Prosimulium* (*Helodon*) *martini* Peterson, 1970, Mem. ent. Soc. Can. 69: 61. CANADA.
Holotype ♂: Head of Clyde Inlet Baffin Is., N.W.T., 7-VIII-1958, J.E.H. Martin/Holotype ♂ Prosimulium (Helodon) martini Pet., CNC No. 9597.
Paratypes: 2♂♂, Northwest Territory.

*Prosimulium* (*Helodon*) *susanae* Peterson, 1970, Mem. ent. Soc. Can. 69: 71. CANADA.
Holotype ♀: Muncho Lake, B.C. 23-VIII-1948, W.R. Mason/Mi. 451 Alaska Hwy., Nr. Muncho Lake, B.C., Aug 23, 1948, W.R.M. Mason/at Site M-1 22.VIII.48 Muncho L., B.C./Holotype Prosimulium (Helodon) susanae Pet., CNC No. 9598.
Remarks: The left wing, head and abdomen of the holotype are stored in a glass microvial pinned with the specimen. The right hind tibia and tarsus are mounted on a microscope slide.

*Prosimulium* (*Prosimulium*) *approximatum* Peterson, 1970, Mem. ent. Soc. Can. 69: 74. CANADA.
Holotype ♂: S. Bolton, Que., 7.V.1953, G.E. Shewell/Site K swarming/Holotype Prosimilium (P.) approximatum B.V. Peterson, CNC No. 9600.
Paratypes: 17♂♂, Quebec; 2♂♂ (alcohol) New Brunswick; 3♂♂ (alcohol) Massachusetts (USA); 3♂♂ (slides), Quebec.
Remarks: One paratype has the abdomen stored in a glass microvial on a pin; the remainder of the specimen is mounted on microscope slide No. GES 5901-23D.

*Prosimulium* (*Prosimulium*) *constrictistylum* Peterson, 1970, Mem. ent. Soc. Can. 69: 149. CANADA.
Holotype ♂ (with associated pupal exuviae): 1 mile E. of Osoyoos-B.C., 11-VI-1964, G.C. & D.M. Wood/Holotype Prosimilium constrictistylum B.V. Peterson, CNC No. 9603.
Allotype ♀ (with associated pupal exuviae): Same data as holotype.
Paratypes: 4♂♂, 3♀♀ (pinned), 3 (slides) larvae, 2 (slides) pupal exuviae, 1 vial, 6 pupae and approximately 15 larvae (alcohol), British Columbia.
Remarks: 7 paratypes have the associated pupal exuviae pinned with the specimen. There are 8 additional specimens from the type locality, but these were not included in the type series.

*Prosimilium* (*Prosimulium*) *impostor* Peterson, 1970, Mem. ent. Soc. Can. 69: 162. CANADA.
Holotype ♂ (with associated pupal exuviae): 11.5 mi. N. of Boston Bar-B.C. 10-V.1964, G.C. & D.M. Wood/Holotype Prosimulium (P.) impostor Pet. CNC No. 9599.
Allotype ♀ (with associated pupal exuviae): Same data as holotype, except 28-IV-1964.
Paratypes: 30♂♂, 15♀♀ (pinned), 1♂, 2♀♀ (slides), 4 (slides) larvae, 3 (slides) pupal exuviae, 4 vials, approximately 200 larvae, 6 adults associated pupal exuviae, 2 pupae (alcohol), British Columbia.
Remarks: 31 paratypes have the associated pupal exuviae pinned with the specimen.

*Prosimulium* (*Prosimulium*) *mysticum* Peterson, 1970, Mem. ent. Soc. Can. 69: 122. USA.
Holotype ♂ (with associated pupal exuviae): Oconto R., Pulcifer, Shewano Co., Wisc. 19-IV-1964, G.C. & D.M. Wood/Holotype Prosimulium mysticum Pet. CNC No. 9602.
Allotype ♀ (with associated pupal exuviae): Same data as holotype.
Paratypes: 8♂♂, 1♀, Wisconsin; 20♂♂, 30♀♀, Ontario (Canada); 4 (slides) Wisconsin, 1♂, 1♀ (with associated pupal exuviae), 4 (slides) Wisconsin, larvae, 7 vials (alcohol) 3♂♂, 4♀♀ (with associated pupal exuviae), 1 vial

approximately 170 larvae. Four vials from Wisconsin, 4 from Ontario.
Remarks: 59 pinned paratypes have the associated pupal exuviae pinned with the specimen.

*Prosimulium* (*Prosimulium*) *neomacropyga* Peterson, 1970, Mem. ent. Soc. Can. 69: 134. USA.
Holotype ♂ (with associated pupal exuviae): Cape Thompson, Alaska, em. 30.VII.61, R. Madge/Holotype Prosimulium neomacropyga P. CNC No. 9601.
Allotype ♀ (with associated pupal exuviae): Same data as holotype, except em. 1.VIII.61.
Paratypes: 6♂♂, 4♀♀, Alaska; 8♂♂, 21♀♀, Yukon Territory (Canada); four vials, 9 adults (in alcohol) from Yukon Territory and St. Matthew Is.; one vial containing 15 pupae and approximately 90 pupal exuviae, Yukon Territory (alcohol); two vials containing approximately 55 larvae Yukon Territory and Alaska (alcohol); 10 (slides) containing 2 adults (with associated pupal exuviae), 6 larvae, 2 pupae.
Remarks: 25 pinned adults have the pupal exuviae either pinned with, or stored in a glass microvial pinned with the specimen.

*Prosimulium* (*Prosimulium*) *woodorum* Peterson, 1970, Mem. ent. Soc. Can. 69: 130. CANADA.
Holotype ♂ (with associated pupal exuviae): 12.8 mi W. of Kinnaird, B.C. 14-VI-1964, G.C. & D.M. Wood/Holotype Prosimulium (P.) woodorum Pet., CNC No. 9604.
Allotype ♀ (with associated pupal exuviae): Same data as holotype.
Paratypes: 1♂, 14♀♀, British Columbia; 1 vial, 7 larvae, 2 pupae (alcohol), 4 (slides) containing 4 larvae.
Remarks: The holotype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen. 15 paratypes have the associated pupal exuviae either pinned with specimen, or stored in a glass microvial with specimen.

*Simulium adolfolutzi* Wygodzinsky, 1951, An. Inst. Med. reg., Tucuman 3(2): 234. ARGENTINA.
Paratypes: 1♂, 2♀♀, Argentina, CNC No. 8420.
Remarks: One male and one female paratype are both mounted on the same pin. One ♀ paratype has the associated pupal exuviae pinned with specimen.

*Simulium aestivum* Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 104. CANADA.
Holotype ♀ (with associated pupal exuviae): North Star Lodge, Deep River, Ont., 25-VI-1959, Davies & Wood/Holotype Simulium aestivum D., P. & W., CNC No. 7992.
Allotype ♂ (with associated pupal exuviae): Same data as holotype.
Paratypes: 5♂♂, 4♀♀ (with associated pupal exuviae), Ontario.

*Simulium agnatum* Baranov, 1937, Vet. Arh. 7(5): 259 (Croatian), 272 (German). YUGOSLAVIA.
Holotype ♀: Serbia/Typus/Holotype Simulium agnatum Bar., CNC No. 17219/Simulium agnatum sp. nova/Baranov Collection.
Paratype: 1♀, Yugoslavia.

*Simulium anatinum* Wood, 1963, Proc. ent. Soc. Ont. (1962) 93: 96. CANADA.
Holotype ♀ (with associated pupal exuviae): Stream 1, 3 mi S. Huntsville, Ont., 15-V-1962 Davies & Wood/Holotype Simulium anatinum Wood, CNC No. 8196.
Allotype ♂ (with associated pupal exuviae): Same data as holotype, except 9-V-1962.
Paratypes: 2♂♂, 9♀♀, Ontario.
Remarks: 11 paratypes have the associated pupal exuviae stored in glass microvials pinned with the specimen. Two ♀ paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial, pinned with the specimen.

*Simulium beameri* Stains & Knowlton, 1943, Ann. ent. Soc. Am. 36: 279. USA.
Paratypes: 3♂♂, California, CNC No. 6627.

*Simulium brevicercum* Knowlton & Rowe, 1934, Ann. ent. Soc. Am. 27(4): 583. USA.
Paratype: 1♀, Utah, CNC No. 3913.

*Simulium brnizense* Baranov, 1924, Glasn. Minist. Poljopr. i Voda 2(7): 66. YUGOSLAVIA.
Lectotype ♀: Serbia, Brnjica, 1924/Typus/Lectotype Simulium brnizense Bar., CNC No. 17220/Wilhelmia brnizensis [sic] Bar./Wilhelmia brnicensis [sic].
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 203).

*Simulium caledonense* Adler & Currie, 1986, Can. Ent. 118: 1212. CANADA.
Holotype ♂ (with associated pupal exuviae): 3.1 km W. of Obed, Highway 16, Alberta, 53°33'N, 117°14'W., 15 June 1984, Coll. P. Adler & D. Currie/ Holotype Simulium caledonense Adler & Currie, CNC No. 19461/Holotype ♂, Simulium caledonense, desig. Adler & Currie.
Allotype ♀ (with associated pupal exuviae): Same data as holotype, except 27 June 1984.
Paratypes: 5♂♂, 2♀♀, (with associated pupal exuviae), 2♂♂, 2♀♀ in microvials 100 larvae, 4 pupae, 4 pupal exuviae (alcohol), Alberta.

*Simulium clavipes* Malloch, 1914, U.S. Dep. Agric. Bur. Ent. Tech. Ser. 26: 40. GUADELOUPE WEST INDIES.
Paratype: 1♀, Guadeloupe (West Indies), CNC No. 4468.

*Simulium columbaczense* (Schoenbauer), race *litorale* Baranov, 1937, Arch. wiss. prakt. Tierheilk. 72: 159, 164. YUGOSLAVIA.
Lectotype ♂: Golubac 26-V-36/Typus/Lectotype Simulium columbaczense litorale Bar., CNC No. 17221/Danubiosimulium columbaczense littorale [sic] Baranov/Baranov Collection.
Paralectotypes: 9♂♂, 83♀♀, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 204).

*Simulium columbaczense* (Schoenbauer), race *profundale* Baranov, 1937, Arch. wiss. prakt. Tierheilk. 72: 159, 164. YUGOSLAVIA.
Lectotype ♀: /♀/D. Milanovac, 9.V.1936/columbacz. Lusht/Typus/Lectotype Simulium columbaczense profundale Bar., CNC No. 17222/Dar. columb. profundale S. nova N. Baranov/Baranov Collection.

Paralectotypes: 21♂♂, 24♀♀, Yugoslavia.

Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 204).

***Simulium craigi*** Adler & Currie, 1986, Can. Ent. 118: 1208. CANADA.

Holotype ♂ (with associated pupal exuviae): 3.1 km W. of Obed, Highway 16, Alberta, 53°33'N, 117°14'W, 11 June 1984, Coll. P. Adler & D. Currie/ Holotype Simulium craigi Adler & Currie, CNC No. 19483/Holotype ♂, Simulium craigi, desig. Adler & Currie.

Allotype ♀ (with associated pupal exuviae): Same data as holotype.

Paratypes: 10♂♂, 12♀♀ (with associated pupal exuviae), 1♂, 4♀♀ stored in microvials, 35 larvae, 23 pupae (in alcohol), Alberta.

***Simulium deagostinii*** Coscaron & Wygodzinsky, 1962, Acta zool. lilloana 18: 322. ARGENTINA.

Paratype: 1♂, Argentina, CNC No. 8421.

***Simulium decolletum*** Adler & Currie, 1986, Can. Ent. 118: 1216. CANADA.

Holotype ♂ (with associated pupal exuviae): ALBERTA: 1 km northwest of Edith Lake, Swan Hills (54°48'N, 115°23'W) 2 August 1984, P.H. Adler and D.C. Currie/Holotype Simulium decolletum Adler & Currie, CNC No. 19460/Simulium decollectum Adler & Currie 1986, Holotype.

Paratypes: 4 larvae, 3 pupal exuviae (in alcohol), Alberta.

Remarks: The holotype has its terminalia dissected and stored in glycerine in a plastic microvial that is pinned with adult.

***Simulium defoliarti*** Stone & Peterson, 1958, Bull. Brooklyn ent. Soc. 53(1): 1. USA.

Paratypes: 3♀♀, Wyoming; 2♂♂, 1♀ (with associated pupal exuviae) (alcohol), Wyoming, CNC No. 6772.

***Simulium delponteianum*** Wygodzinsky, 1961, Acta Kravsi, Cuad. del Inst. Nac. Microbiol., Buenos Aires 2: 30. ARGENTINA.

Paratypes: 1♂ (with associated pupal exuviae) 1♀, Argentina, CNC No. 8422.

***Simulium distinctum*** Malloch, 1913, Proc. ent. Soc. Wash. 15(3): 133. USA.

Paratype: 1♂, Texas, CNC No. 4466.

***Simulium djerdapense*** Baranov, 1937, Vet. Arh. 7(5): 258 (Croatian), 270 (German). YUGOSLAVIA.

Holotype ♀: Golubac, 28.IV.1936/Typus/Holotype Simulium djerdapense Bar., CNC No. 17255/Simulium djerdapense sp. nova N. Baranov/Baranov Collection.

***Simulium emarginatum*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 110. CANADA.

Holotype ♀ (with associated pupal exuviae): Sparks Ck. at Hwy. 17, Rutherglen, Bonfield Twp., Nipissing Dist-Ont., 5-V-1959, Davies & Wood/Holotype Simulium emarginatum D., P. & W., CNC No. 7994.

Allotype ♂ (with associated pupal exuviae): Same data as holotype.

Paratypes: 5♂♂, 15♀♀, Ontario.

Remarks: 20 paratypes have the associated pupal exuviae pinned with the specimen.

***Simulium euryadminiculum*** Davies, 1949, Can. Ent. 81: 45. CANADA.

Holotype ♂: Alg. Pk. Ont., 20.V.40 Type ♂ Sim. euryadminiculum det. by D.M. Davies No. 60/ Holotype S. euryadminiculum Dav., CNC No. 5867.

Allotype ♀: Costello Ck., Alg. Pk. 13.V.40 No. 67 otherwise, same data as above.

Paratype: 1♂, Ontario.

Remarks: The holotype has only the head, terminalia, 1 wing, and 1 leg mounted on the microscope slide; remaining parts are not present. The allotype has 1 leg, 1 wing, and the terminalia mounted on the slide.

***Simulium forbesi*** Malloch, 1914, U.S. Dep. Agric. Bur. Ent. Tech. Ser. 26: 63. USA.

Paratype: 1♀, Illinois, CNC No. 2712.

***Simulium hunteri*** Malloch, 1914, U.S. Dep. Agric. Bur. Ent. Tech. Ser. 26: 59. USA.

Paratype: 1♀, Colorado, CNC No. 4467.

***Simulium impar*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 116. CANADA.

Holotype ♀ (with associated pupal exuviae): Laurentian Pt. Rd., Rolph Twp. Renfrew Co., Ont., 25.VI.1959, Davies & Wood/ Holotype Simulium impar D., P. & W., CNC No. 8012.

Allotype ♂ (with associated pupal exuviae): Same data as holotype.

Paratypes: 5♂♂, 15♀♀, Ontario.

Remarks: 18 paratypes have the associated pupal exuviae pinned with the specimen.

***Simulium johannseni*** Hart *in* Forbes, 1912, Rep. St. Ent. Ill. 27: 31. USA.

Paralectotypes: 1♂, 1♀, Illinois, CNC No. 2752.

Remarks: For lectotype designation see Frison (1927, p. 181).

***Simulium kamloopsi*** Hearle, 1932, Proc. ent. Soc. Br. Columb. 29: 12. CANADA.

Holotype ♂: Kamloops, B.C. 2.IX.1928, Eric Hearle/Peterson Creek/98/Holotype Simulium kamloopsi Hearle, CNC No. 3444/Simulium kamloopsi Hearle.

Allotype ♀ (with associated pupal exuviae): Same data as holotype, except 1.IX.1928 one has additional label which reads, reared in isolation from this pupa.

Paratypes: 10♂♂, 52♀♀, British Columbia.

Remarks: Two paratypes have the associated pupal exuviae and cocoon; one stored in a glass microvial, one pinned with specimen.

***Simulium loerchae*** Adler, 1987, Proc. ent. Soc. Wash. 89(4): 673. USA.

Paratypes: 5♂♂, 3♀♀ (pinned with associated pupal exuviae), 45 larvae, 2 pupae, 1 pupal exuviae (alcohol), 7♂♂, 12♀♀ (chromosome slides, with accompanying photographs), South Carolina; 1♂, 2♀♀ (chromosome slides, with accompanying photographs), Pennsylvania; 1♂ (chromosome slide) Tennessee, CNC No. 19769.

***Simulium mediovittatum*** Knab, 1915, Insecutor Inscit. menstr. 3(1-4): 77. USA.

Paratype: 1♀, Texas, CNC No. 4469.

***Simulium parnassum*** Malloch, 1914, U.S. Dep. Agric. Bur. Ent. Tech. Ser. 26: 36. USA.

Remarks: There is 1 ♀ labeled as a paratype, but it is from a locality not mentioned in the original description.

***Simulium perissum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 43. USA.
Paratypes: 1♂, 1♀, Virginia, CNC No. 4457.
Remarks: The female paratype has the associated pupal exuviae pinned with the specimen.

***Simulium reptans*** (Linnaeus), form ***calopum*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184, 189. YUGOSLAVIA.
Lectotype ♀: Timok, IX.1924/C.-T./Lectotype Simulium reptans calopum Bar., CNC No. 17268/Simulium reptas [sic] calopum/Baranov Collection.
Paralectotype: 1♀, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 205).

***Simulium reptans*** (Linnaeus), ssp. ***glumovoense*** Baranov, 1937, Vet. Arh. 7(5): 257 (Croatian), 270 (German). YUGOSLAVIA.
Lectotype ♀: Glumovo, n. Skoplje [sic] 12.IV.1927/Typus/Lectotype Simulium reptans glumovoense Bar., CNC No. 17269/Simulium reptans glumovoense ssp.n./Baranov Collection.
Paralectotypes: 3♀♀, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 206). One ♀ paralectotype has the associated cocoon pinned with specimen.

***Simulium reptans*** (Linnaeus), ssp. ***pseudocolumbaczense*** Baranov, 1937, Vet. Arh. 7(5): 255 (Croatian), 269 (German). YUGOSLAVIA.
Holotype ♀: Golubac, Donau, 1.V.1936/Typus/Holotype Similium reptans pseudocolumbaczense Bar., CNC No. 17270/Simulium reptans pseudocolumbaczense ssp.n./Baranov Collection.

***Simulium reptans*** (Linnaeus), ssp. ***pukovacense*** Baranov, 1937, Vet. Arh. 7(5): 256 (Croatian), 269 (German). YUGOSLAVIA.
Lectotype ♀: Pukovac, 23.V.1935/Simulium reptans L./Typus/Lectotype Simulium reptans pukovacense Bar., CNC No. 17402/Simulium reptans pukovacense ssp.n./Baranov Collection.
Paralectotypes: 1♂, 4♀♀, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 206).

***Simulium reptans*** (Linnaeus), ssp. ***tumanicum*** Baranov, 1937, Vet. Arh. 7(5): 255 (Croatian), 269 (German). YUGOSLAVIA.
Holotype ♀ (with associated pupal exuviae): Tuman, Serbia, 16.IV.1926/Typus/Holotype Simulium reptans tumanicum Bar., CNC No. 17289/Simulium reptans tumanicum ssp.n./Baranov Collection.

***Simulium reptans*** (Linnaeus), ssp. ***vardaricum*** Baranov, 1937, Vet. Arh. 7(5): 256 (Croatian), 270 (German). YUGOSLAVIA.
Holotype ♀ (with associated pupal exuviae): Skoplje [sic] 11.VI.1926/Typus/Holotype Simulium reptans vardaricum Bar., CNC No. 17290/Simulium reptans vardaricum ssp.n./ Baranov Collection.
Paratypes: 1 pupal exuviae, 1 cocoon, Yugoslavia.

***Simulium similis*** Malloch, 1919, Report of the Canadian Arctic Expedition 1913-18. Vol. 3: Pt. C: p. 42. CANADA.
Holotype ♀: Hood River, Coronation Gulf, Arctic, Can./Canadian Arctic Expedition Aug 28, 1915/R.M. Anderson Coll./Holotype Simulium simile [sic] Mall., CNC No. 1147/115/Teste Malloch/Simulium similis Mall. Type.

***Simulium slossonae*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 34. USA.
Paratype: 1♂, Florida, CNC No. 4458.

***Simulium venator*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 36. USA.
Paratype: 1♀, Nevada, CNC No. 4459.

***Simulium virgatum*** **new race** ***canadensis*** Hearle, 1932, Proc. ent. Soc. Br. Columb. 29: 14. CANADA.
Holotype ♂: Lanes Cr., Kam. B.C., S. virgatum Aug 6, 31 T.K.M. & R.T.T./67b/Holotype Simulium virgatum n. race canadensis Hearle, CNC No. 3454/var. canadensis Hearle/Simulium virgatum Coquillett.
Allotype ♀ (with associated pupal exuviae): Kamloops, B.C., 29.V.1928, Eric Hearle No. KS1/Allotype Sim. virgatum n. race canadensis Hearle, CNC No. 3454/Peterson Creek/ 96/reared from isolated pupa/Simulium virgatum Coquillett/var. canadensis Hearle/Hearle Collection.
Paratypes: 15♂♂, 50♀♀, British Columbia.

***Simulium*** (***Dyarella***) ***solarii*** Stone, 1948, J. Wash. Acad. Sci. 38(12): 402. USA.
Paratypes: 2♂♂, 2♀♀ (with associated pupal exuviae), Texas, CNC No. 7453.
Remarks: One paratype has a slide label No. 60-2; however, no slide is present at the CNC at this time.

***Simulium*** (***Eusimulium***) ***baffinense*** Twinn, 1936, Can. J. Res., D, 14: 121. CANADA.
Holotype ♀: Lake Harbour, Baffin Island, 10-VIII-1935, W.J. Brown/Holotype Simulium baffinense Twinn, CNC No. 4126/Slide No. B.9.3.♀.
Allotype ♂: Same data as holotype, except slide No. B.9-2.
Paratypes: 5♂♂, 1♀, Baffin Island; 1♂, 1♀, (slide).
Remarks: The holotype has the left hind leg and terminalia mounted on a microscope slide. The allotype has the terminalia mounted on a microscope slide. 1♂, 1♀ paratype taken in copula are mounted on one microscope slide.

***Simulium*** (***Eusimulium***) ***baffinense*** form ***pallens*** Twinn, 1936, Can. J. Res., D, 14: 123. CANADA.
Syntypes: 3♀♀ (slides), CNC No. 17218.
"♀"; Type Lab. No. B.J. 10.VIII.35, Coll. by W.J. Brown, Simulium (Eusimulium) baffinense var. pallens ♀ E59, Loc. Lake Harbour, Baffin Island, Dom. Ent. Br. Ottawa, C.R. Twinn, CNC No. 17218.
"♀"; Lab. No. C.R.T., Simulium (Eusimulium) baffinense pallens Twinn, E.69, H.E. McClure 30.VII.34, Loc. Churchill, Man., Dom. Ent. Br. Ottawa, Det. C.R. Twinn, CNC No. 17218.
"♀"; Lab. No. C.R.T. Simulium (Eusimulium) baffinense pallens Twinn, Anal lobe, cercus,

midleg (see pinned specimen ♀), E70, H.E. McClure 30.VII.34, Loc. Churchill, Man., Dom. Ent. Br. Ottawa, Det. C.R. Twinn, CNC No. 17218.

***Simulium (Eusimulium) excisum*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 113. CANADA.
Holotype ♀ (with associated pupal exuviae): Stanley Cors., C.P.H.-1, Ont., 5-V-1961, Wood & Bond/Holotype Simulium excisum D., P. & W., CNC No. 7993.
Allotype ♂ (with associated pupal exuviae): Same data as holotype.
Paratypes: 6♂♂, 15♀♀ (with associated pupal exuviae), Ontario.

***Simulium (Eusimulium) lascivum*** Twinn, 1936, Can. J. Res., D, 14: 127. CANADA.
Holotype ♀: McL. Reared, McKay L. stream, 13.V.35, C.R. Twinn/Holotype Simulium (Eus.) lascivum Twinn, CNC No. 4127.
Allotype ♂: Same data as holotype.
Paratypes: 3♂♂, 5♀♀ (pinned), 5♂♂, 5♀♀, (slides) Ontario.

***Simulium (Eusimulium) quebecense*** Twinn, 1936, Can. J. Res., D, 14: 117. CANADA.
Holotype ♀ (slide): Loc. Nr. Perkins Mills, Que., 26.V.35/Type S. (Eusimulium) quebecense n.sp. ♀ (reared) C.R. Twinn, CNC No. 4124/Lab. No. B.R. PH. S. E35, Dom. Ent. Br. Ottawa.
Allotype ♂ (slide, with associated pupal exuviae): Same data as holotype.
Paratypes: 2♂♂, 2♀♀ (pinned), Quebec; 2♂♂, 1♀ (slides) adults, 1 (slide) ♀ terminalia.

***Simulium (Eusimulium) rivuli*** Twinn, 1936, Can. J. Res., D, 14: 120. CANADA.
Holotype ♂ (slide): Loc. Nr. Carleton Place, Ont., 13.V.35, C.R. Twinn/S. (Eusimulium) rivuli n.sp. ♂ reared, genitalia dissected out/Type 4125/Lab. No. CPH-1-2 same as ♂ SRS 1-lot E27/Dom. Ent. Br. Ottawa.
Paratype: 1♂ (with associated pupal exuviae), Ontario.

***Simulium (Eusimulium) wyomingensis*** Stone & Defoliart, 1959, Ann. ent. Soc. Am. 52(4): 395. USA.
Paratypes: 1♂, 3♀♀ (adults), 8 pupal exuviae (alcohol), Wyoming, CNC No. 7459.

***Simulium (Hagenomyia) longistylatum*** Shewell, 1959, Can. Ent. 91: 84. CANADA.
Holotype ♂: Outardes R., Baie Comeau, Que., 21-7-1955, L.S. Wolfe/Holotype S. (H.) longistylatum Shew., CNC No. 6695.
Allotype ♀: Manic., Baie Comeau, Que., 30-7-1955, B.G. Blair/Allotype S. (H.) longistylatum Shew., CNC No. 6695.
Paratypes: 29♂♂, 26♀♀, Quebec; 4♂♂, Ontario; 2♀♀ (slides) adults, 10 (slides) pupal exuviae, 4 (slides) ♂ terminalia, 1 (slide) ♀ terminalia, 1 (slide) ♂ head, 1 (slide) larvae. 4 vials (alcohol) approximately 150 pupae and pupal cases.

***Simulium (Hellichiella) nebulosum*** Currie & Adler, 1986, Can. J. Zool. 64: 221. CANADA.
Holotype ♀: 1.1 mi S. of Kaslo, B.C., 22.V.1964, G.C. & D.M. Wood/Holotype Simulium (Hellichiella) nebulosum Currie & Adler, CNC No. 19459/Simulium (H.) nebulosum Currie & Adler/Simulium (H.) nebulosum Currie & Adler, 1986 Holotype.
Allotype ♂: Same data as holotype.
Paratypes: 73♂♂, 97♀♀ (reared), British Columbia; 2♂♂, 2♀♀ (reared), Washington; (alcohol) 2♂♂, 2♀♀ adults, 307 larvae, 63 pupal exuviae, British Columbia; 5 larvae, 10 pupal exuviae, Queen Charlotte Islands, British Columbia; 5 larva, Washington; 1 pupae, Oregon (USA).

***Simulium (Hellichia) johannseni*** ssp. ***duplex*** Shewell & Fredeen, 1958, Can. Ent. 90(12): 734. CANADA.
Holotype ♀: Shell R., Prince Albert, Sask., May 26, 1955, F.J.H. Fredeen/40-142/Holotype Sim. (Hellichia) johannseni ssp. duplex Sh. & Fdn./Slide GES 5705-No. 14B.
Allotype ♂: Same data as holotype.
Paratypes: 14♂♂, 17♀♀ Saskatchewan; 16 (slides) pupal exuviae, 4 (slides) ♀ terminalia, 1 (slide) ♀ head, legs, and mouth parts, 3 (slides) ♂ terminalia.
Remarks: The holotype and allotype have the associated pupal exuviae mounted on a microscope slide. The holotype, allotype, and 28 paratypes have the associated cocoons stored in glass microvials pinned with the specimen.

***Simulium (Inseliellum) cataractarum*** Craig, 1987, Quaest. ent. 23: 400. TAHITI.
Paratypes: 1♂, 1♀ (pinned, with associated pupal exuviae and cocoon), 10 larvae (alcohol), Tahiti, CNC No. 19776.

***Simulium (Inseliellum) exasperans*** Craig, 1987, Quaest. ent. 23: 392. TAHITI.
Paratypes: 1♂, 3♀♀ (pinned with associated pupal exuviae and cocoon), 1 pupa and cocoon (alcohol), 4 larvae (alcohol), Tahiti, CNC No. 19777.

***Simulium (Inseliellum) lotii*** Craig, 1987, Quaest. ent. 23: 388. TAHITI.
Paratypes: 1 pupa, 6 larvae (alcohol), Tahiti, CNC No. 19778.

***Simulium (Inseliellum) malardei*** Craig, 1987, Quaest. ent. 23: 387. TAHITI.
Paratypes: 1 larva (slide), 6 larvae (alcohol), Tahiti, CNC No. 19775,

***Simulium (Prosimulium) browni*** Twinn, 1936, Can. J. Res., D, 14: 113. CANADA (BAFFIN ISLAND).
Holotype ♀: Lake Harbour, Baffin Island, 10.VIII.1935, W.J. Brown/Holotype Simulium (P.) browni Twinn, CNC No. 4123/Slide ♀ No. B.9-6.
Paratypes: 8♀♀, Baffin Island.
Remarks: The holotype has the apical portion of the abdomen and terminalia mounted on microscope slide No. P.25. One paratype is mounted on a microscope slide. There are 2 larvae, 2 pupal exuviae, and 2 pinned specimens from the same type locality, but these were not labeled as paratypes.

***Simulium (Prosimulium) decemarticulatum*** Twinn, 1936, Can. J. Res., D, 14: 110. CANADA.
Holotype ♀: C.P.H.1-1 reared 10.V.35, nr. Carlton [sic] Place, Ont. C.R. Twinn/Slide ♀/Type No. 4122/Holotype Simulium (Prosimulium) decemarticulatum Twinn, CNC No. 4122.

Allotype ♂: Same data as holotype, except 8.V.35.
Paratypes: 1♀, 1♀ (slide), Ontario.
Remarks: The holotype and allotype have the apical portion of the abdomen and terminalia mounted on microscope slides P.32 and P.29 respectively. One paratype is mounted on microscope slide No. P.31. There are 4 additional slides from the type locality, 2 labeled as paratypes with pupae on them, but these were not mentioned in the original description.

***Simulium (Prosimulium) gibsoni*** Twinn, 1936, Can. J. Res., D, 14: 108. CANADA.
Holotype ♀: C.P.H.1-1 reared nr. Carlton [sic] Place, Ont., 10.V.35, C.R. Twinn/Slide ♀/Type S. gibsoni No. 4121/Holotype Simulium (Prosimulium) gibsoni Twinn, CNC No. 4121.
Allotype ♂: Same data as holotype except, 9.V.35.
Paratypes: 2♂♂, 4♀♀, Quebec.
Remarks: The holotype has the abdomen and hind legs mounted on microscope slide No. P.42. The allotype has the apical portion of the abdomen and terminalia mounted on microscope slide No. P.39. One ♂ paratype and 2 ♀♀ are mounted on microscope slide Nos. P.38, P.40, and P.41.

***Simulium (Prosimulium) multidentatum*** Twinn, 1936, Can. J. Res., D, 14: 106. CANADA.
Holotype ♂ (slide): Loc. Nr. Hull, Que., 3.V.35 Dom. Ent. Br. Ottawa, C.R. Twinn/reared ♂ Prosimulium multidentatum n.sp./Type CNC No. 4120/Lab. No. SC.2 P.22.
Allotype ♀ (slide): Same data as holotype, except number P.20.
Paratypes: 5♂♂, 5♀♀, Quebec; 1♂, 3♀♀ (slides), Quebec.
Remarks: One paratype slide, No. P.18, has the associated pupal exuviae mounted on same slide as adult. One paratype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.

***Simulium (Prosimulium) unicum*** Twinn, 1938, Can. Ent. 70: 49. USA.
Holotype ♀ (slide): Loc. Morgan, Utah, 6.V.37, G.F. Knowlton, Dom. Ent. Br. Ottawa Simulium (Prosimulium) unicum Twinn/Type 4447, Lab. No. P.61 C.R.T.

***Simulium (Prosimulium) ursinum*** Edward, 1935, Ann. Mag. nat. Hist. ser. 10, 15: 535. BEAR ISLAND.
Paralectotypes: 8 larvae, 3 pupae, Bear Island, CNC No. 17215.
Remarks: For lectotype designation see Peterson (1970, p. 143). Two larvae, and 1 pupa of the paralectotypes are mounted on microscope slides. The remaining 6 larvae and 2 pupae are stored in alcohol.

***Simulium (Simulium) corbis*** Twinn, 1936, Can. J. Res., D, 14: 147. CANADA.
Holotype ♀: B.R.-P.H.-D., Blanche R., Que., Reared 26.V.35, C.R. Twinn/Holotype Sim. corbis Twinn, CNC No. 4131/Slide ♀.
Allotype ♂: Same data as holotype.
Paratypes: 1♂, 4♀♀ (pinned), 4 (slides) 1♂, 3♀♀, Quebec.
Remarks: The holotype and allotype have the terminalia and one leg mounted on a microscope slide. There is 1 additional ♂ from the type locality mounted on a microscope slide, but this slide was not labeled as a paratype.

***Simulium (Simulium) fibrinflatum*** Twinn, 1936, Can. J. Res., D, 14: 141. CANADA.
Holotype ♂: O.R.-R.R. 6 infl. fila. Ottawa, Reared 17.VIII.35, C.R. Twinn/Holotype Simulium fibrinflatum Twinn, CNC No. 4128/Slide ♂.
Allotype ♀: Same data as holotype.
Paratypes: 6♂♂, 7♀♀, 7 (slides), 5♂♂, 4♀♀, Ontario.
Remarks: The holotype and allotype have the terminalia mounted on microscope slides.

***Simulium (Simulium) fraternum*** Twinn, 1938, Can. Ent. 70: 53. USA.
Holotype ♂: Farmington, Ut., 9-4-34/G.F. Knowlton, C.F. Smith, Collectors/Slide No. S.129/Type fraternum Twinn 4452/Holotype Simulium fraternum Twinn, CNC No. 4452/canadense.
Remarks: The holotype has the terminalia mounted on a microscope slide.

***Simulium (Simulium) hearlei*** Twinn, 1938, Can. Ent. 70: 50. USA.
Holotype ♂ (slide): Loc. Ft. Duchesne, Utah, 11.VIII.37 (grass sweepings) G.F. Knowlton & F.C. Harmston/Holotype 4448 Simulium hearei Twinn/Lab. No. C.R.T. S.120/Dom. Ent. Br. Ottawa claspers, 2 claws.
Paratypes: 5♂♂, Utah; 2 (slides) male terminalia.
Remarks: The labeled date for the holotype is 11.VIII.37, but the original description gives a date of 11.VII.37.

***Simulium (Simulium) idahoense*** Twinn, 1938, Can. Ent. 70: 50. USA.
Holotype ♂ (slide): Loc. Riverdale, Idaho, 11.IX.1934, C.F. Smith. Taken at light/ Holotype 4449 Simulium idahoense n.sp. ♂ Twinn/Lab. No. C.R.T. S.126. Dom. Ent. Br. Ottawa.
Paratypes: 26♂♂, Idaho; 1 (slide) ♂ terminalia.
Remarks: One pinned paratype has the terminalia mounted on a microscope slide.

***Simulium (Simulium) knowltoni*** Twinn, 1938, Can. Ent. 70: 53. USA.
Holotype ♂ (slide): Loc. Logan, Utah. "at light" G.F. Knowlton & C.F. Smith, 23.VII.35, Campus Ut. Sta. Agr. Coll./Type 4451/ Simulium knowltoni Twinn Lab. No. S.124 C.R.T. Dom. Ent. Br. Ottawa.
Paratype: 1♂, Utah.
Remarks: The paratype has the terminalia mounted on a microscope slide.

***Simulium (Simulium) nigroparvum*** Twinn, 1936, Can. J. Res., D, 14: 142. CANADA.
Holotype ♀: O.R.-R.R., Reared, 10 fila. Ottawa River, 10.VI.35, C.R. Twinn/Holotype Sim. nigroparvum Twinn, CNC No. 4129/Slide ♀.
Allotype ♂: Same data as holotype.
Paratypes: 7♂♂, 3♀♀, Ontario; 6 (slides), 1♂, Quebec; 5♂♂, 3♀♀, Ontario.
Remarks: The holotype and allotype have the terminalia mounted on a microscope slide.

***Simulium* (*Simulium*) *ottawaense*** Twinn, 1936, Can. J. Res., D, 14: 146. CANADA.
Holotype ♂ (slide): Loc. Pinks Lake, Que., 26.VII.35, C.R. Twinn/Type Simulium ottawaensis n.sp. ♂ reared, genitalia dissected/Type/Lab. No. P.L.-8 fila., S.76/Type No. 4130/Dom. Ent. Br. Ottawa.
Allotype ♀ (slide with associated pupal exuviae): Loc. Carleton Place, Ont., 7.VIII.35, C.R. Twinn/Allotype Simulium ottawaensis n.sp. ♀ reared with pupal skin in cocoon/ Mississippi R., Ont., Lab. No. C.P.M.-8 fila. S.74/Dom. Ent. Br. Ottawa.
Paratypes: 1♂, 3♀♀, Quebec; 1♂, Ontario; 2 (slides) 1♂, Ontario; 1♀, Quebec.

***Simulium* (*Simulium*) *petersoni*** Stone & Defoliart, 1959, Ann. ent. Soc. Am. 52(4): 394. USA.
Paratype: 1♀, California, CNC No. 7454.

***Simulium* (*Simulium*) *tescorum*** Stone & Boreham, 1965, J. med. Ent. 2(2): 164. USA.
Paratypes: 18♂♂, 18♀♀, California; 1 vial (alcohol), 1♂ adult, 2 pupal exuviae, 20 larvae, 1 vial (alcohol), 3♀♀, CNC No. 9162.
Remarks: Three pinned paratypes have their associated pupal exuviae stored in glass microvials pinned with the specimen.

***Simulium* (*Simulium*) *turmale*** Twinn, 1938, Can. Ent. 70: 51. USA.
Holotype ♂ (slide): Loc. Logan, Utah, (at night) 16.IX.37, G.F. Knowlton & F.C. Harmston/ Simulium turmale Twinn/Type 4450/Lab. No. C.R.T. S.123/ Dom. Ent. Br. Ottawa.

***Simulium* (*Simulium*) *twinni*** Stains & Knowlton, 1940, Ann. ent. Soc. Am. 33(1): 77. USA.
Paratype: 3♂♂, Utah, CNC No. 5136.

***Simulium* (*Simulium*) *verecundum*** Stone & Jamnback, 1955, Bull. N.Y. St. Mus. 349: 83. USA.
Paratypes: 1♂, 1♀ (with associated pupal exuviae), New York; 1♂, 1♀ (with associated pupal exuviae), Virginia, CNC No. 7455.
Remarks: The ♂ paratype from Virginia has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen.

***Twinnia biclavata*** Shewell, 1959, Can. Ent. 91: 686. CANADA.
Holotype ♂: R.R. track Strm. Bowser, B.C. 31.V. em. 3.VI.1955, G.E. Shewell/Slide GES 5902-No. 05F/Slide GES 5902-No. 10A/ Holotype Twinnia biclavata Shew. CNC No. 6925.
Allotype ♀ (slide): Same data as holotype except, 5.VI. em. 5.VI. 1955/Slide GES 5902-No. 06.
Paratypes: 2♂♂, 12♀♀, British Columbia; 6 pupae, 6 larvae (slides).
Remarks: The holotype has the abdomen stored in a glass microvial pinned with specimen. The remaining parts of the holotype are mounted on microscope slide No. GES 5902-05F. There is an additional slide of the holotype, No. GES 5902-10A, which contains the pupal exuviae and larval head capsule. One adult plus all the immature stages listed above of the paratypes are mounted on microscope slides. The allotype and 11 paratypes have the pupal exuviae stored in a glass microvial pinned with the specimen.

***Twinnia hirticornis*** Wood, 1978, Can. Ent. 110: 1305. CANADA.
Holotype ♂ (with associated pupal exuviae): pond outlet - mi 2.1 Cold Ck. Road, Kamloops, B.C., 13-16-V-1964, G.C. & D.M. Wood/ Holotype Twinnia hirticornis Wood, CNC No. 15763.
Allotype ♀ (with associated pupal exuviae): Same data as holotype.
Paratypes: 8♂♂, 9♀♀, British Columbia.
Remarks: All paratypes have the associated pupal exuviae pinned with each specimen. Four paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.

***Twinnia tibblesi*** Stone & Jamnback, 1955, Bull. N.Y. St. Mus. 349: 19. CANADA.
Holotype ♀ (slide): Goose Bay, Labr., VIII.30.1950, J.J. Tibbles - 2 Holotype Twinnia tibblesi Stone & Jamnback, CNC No. 6525.
Paratypes: 4♂♂, 4♀♀, Labrador.
Remarks: There are 5 additional pinned specimens from the type series, but these were not labeled as paratypes. There are several vials containing pupae and larvae from the type series, but these were not labeled as paratypes.

***Tlalocomyia revelata*** Wygodzinsky & Diaz Najera, 1970, Revta. Invest. Salud Publ. 30(2): 88. MEXICO.
Paratype: 1♂ (pinned), 6 vials (alcohol), 3♂♂, 1♀ adults (with associated pupal exuviae), 10 pupae, 10 larvae, Mexico, CNC No. 17217.

***Wilhelmia equina*** (Linnaeus), form ***prima*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 185. YUGOSLAVIA.
Lectotype ♂ (with associated pupal exuviae): Tuman, untere Donau, 23.VI.1924/Lectotype Wilhelmia equina prima Bar., CNC No. 17256/W. equina.
Paralectotypes: 3♂♂, 5♀♀, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 208). Two paratypes have the pupal exuviae pinned with the specimen.

***Wilhelmia equina*** (Linnaeus), form ***quarta*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184. YUGOSLAVIA.
Lectotype ♂: Golubac, Serbia, e [sic] VI.1924/ Cotype/Lectotype Wilhelmia equina quarta Bar., CNC No. 17257/Wilhelmia equina quarta.
Paralectotype: 1♂, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 209).

## SYNNEURIDAE

***Synneuron decipiens*** Hutson, 1977, Bull. Br. Mus. nat. Hist. 35(3): 73. CANADA.
Holotype ♂: Laniel, Que. Cage # 4, Date June 15-34/Holotype/Holotype Synneuron decipiens Hutson, CNC No. 15159/Synneuron annulipes Lundstr. Det. Cook 1965/Holotype ♂ Synneuron decipiens Hutson det. A.M. Hutson, 1976.

Paratypes: 1♀, Quebec; 1♂, Saskatchewan; 1♂, British Columbia; 1♀, Yukon Territory; 1♂, Colorado (USA); 1♂, Washington (USA); 1♀, Alaska (USA).
Remarks: The holotype and two paratypes have the apical portion of the abdomen and terminalia stored in glass microvials pinned with the specimen.

## THAUMALEIDAE

*Austrothaumalea spatulata* Schmid, 1970, Naturaliste can. 97: 501. CHILE.
Holotype ♂: Estero la Jaula Curico, Chile, 1.1964, L. Pena Nothofagus/Holotype Thaumalea spatulata Schm., CNC No. 11305.
Allotype ♀: Same data as holotype.
Paratypes: 1♂, 1♀, Chile.
Remarks: The holotype and male paratype have the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

*Orphnephila fusca* Garrett, 1925, Seventy new Diptera, p. 10. CANADA.
Holotype ♂: Marysville, B.C., 13.VIII., C. Garrett/Holotype Orphnephila fusca Garrett, CNC No. 7912/Holotype Orphnephila fusca, C.B.D. Garrett/Arnaud & Boussy dissection No. 69.III.24-1.
Remarks: The holotype has the abdomen and left wing mounted on a microscope slide.

*Orphnephila pilosa* Garrett, 1925, Seventy new Diptera, p. 10. CANADA.
Syntypes: 1♂, 3♀♀, CNC No. 7911.
"♂"; Marysville, B.C., 12.VII., C. Garrett/Holotype Orphnephilia [sic] pilosa ♂ C. Garrett, C.B.D. Garrett/ Genitalia on slide B.V.P./ Syntype Orphnephila pilosa Garrett, CNC No. 7911.
"♀"; Marysville, B.C., 12.VII., C. Garrett/ Allotype Orphnephilia [sic] pilosa ♀ C. Garrett, C.B.D. Garrett/Syntype Orphnephila pilosa Garrett, CNC No. 7911.
"2♀♀"; Marysville, B.C., 18.VII., C. Garrett/Paratype Orphnephilia [sic] pilosa ♀ C. Garrett, C.B.D. Garrett/Syntype Orphnephila pilosa Garrett, CNC No. 7911.
Remarks: The holotype has its terminalia mounted on a microscope slide.

*Thaumalea algira* Vaillant, 1953, Encycl. ent. 11: 127. ALGERIA.
Syntypes: 1♂, 1♀, Algérie, Ruisseau des Singes, 8.VI.1953, F. Vaillant/Paratype ♀ Thaumalea algira Vaill./Syntype Thaumalea algira Vaillant, CNC No. 17195.

*Thaumalea alticola* Schmid, 1951, Bull. Inst. r. Sci. nat. Belg. 27(40): 2. SPAIN.
Holotype ♂: Sierra Nevada, Val del Inferno, 5-VIII-1950, F. Schmid/Holotype Thaumalea alticola Schmid, CNC No. 17190/Holotype ♂ Thaumalea alticola F. Schmid, 1957.
Allotype ♀: Same data as holotype.
Paratypes: 20♂♂, 5♀♀, Spain.
Remarks: The holotype has the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with type specimen. Four of the ♂ paratypes have the terminalia mounted on a plastic microslide pinned with the specimen.

*Thaumalea atropatenica* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 16. IRAN.
Holotype ♂: Iran (Ost. 3) Meyur, 23-VIII-1956, F. Schmid/Holotype Thaumalea atropatenica Schmid, CNC No. 17191/Holotype ♂, Thaumalea atropatenica F. Schmid, 1957.
Allotype ♀: Same data as holotype.
Remarks: The holotype has the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

*Thaumalea baltasardi* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 13. IRAN.
Holotype ♂: Iran (Maz.) Lius, 14-IX-1955, F. Schmid/Holotype Thaumalea baltasardi Schmid, CNC No. 17192/Holotype ♂, Thaumalea balthasavi [sic] F. Schmid, 1957.
Paratypes: 21♂♂, Iran.
Remarks: The holotype and six paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. The paratype from Mughan (Osta) was collected on 20-V-1956.

*Thaumalea bosnica* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 11. YUGOSLAVIA.
Holotype ♂: Bosnie, Trnovo, 23-VII-1955, F. Schmid/Holotype Thaumalea bosnica Schmid, CNC No. 17193/Holotype ♂, Thaumalea bosnica F. Schmid, 1957.
Paratypes: 7♂♂, Yugoslavia.
Remarks: The holotype and one paratype have the terminalia mounted on a plastic microslide pinned with the specimen.

*Thaumalea curtior* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 6. SPAIN.
Holotype ♂: Espagne (Av.), Lac de Gredos, 16-23-VII-1950, F. Schmid/Holotype Thaumalea curtior Schmid, CNC No. 17194/Holotype ♂, Thaumalea curtior F. Schmid, 1957.
Paratypes: 15♂♂, Spain.
Remarks: The holotype and one paratype have the terminalia mounted on a plastic microslide pinned with the specimen. The left wing is missing from the holotype. There are three additional specimens from the type locality, but these were not labeled as paratypes.

*Thaumalea dinarica* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 10. YUGOSLAVIA.
Holotype ♂: Bosnie, Trebevic, 15-VII-1955, F. Schmid/Holotype Thaumalea dinarica Schmid, CNC No. 17196/Holotype ♂, Thaumalea dinarica F. Schmid, 1957.
Paratypes: 8♂♂, Yugoslavia.
Remarks: The holotype and two paratypes have the terminalia mounted on a plastic microslide pinned with the specimen. There are five additional specimens from the type locality, but these were not labeled as paratypes.

*Thaumalea dirghakantaka* Schmid, 1970, Naturaliste can. 97: 510. INDIA.
Remarks: There are four specimens that are labeled as paratypes, but they were not cited in the original description as part of the type series.

***Thaumalea gredosensis*** Schmid, 1951, Bull. Instr. r. Sci. nat. Belg. 27(40): 4. SPAIN.
Holotype ♂: Espagne (Av.), Lac de Gredos, 16-23-VII-1950, F. Schmid/Holotype Thaumalea gredosensis Schmid, CNC No. 17197/Holotype ♂, Thaumalea gredosensis F. Schmid, 1957.
Paratypes: 4♂♂, Spain.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

***Thaumalea heterodoxa*** Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 19. PAKISTAN.
Holotype ♂: Cachem et Jam., Janwai, 29-VIII-1953, F. Schmid/Holotype Thaumalea heterodoxa Schmid, CNC No. 17199/Holotype ♂ Thaumalea heterodoxa F. Schmid, 1957.
Paratypes: 15♂♂, Pakistan.
Remarks: The holotype and fourteen paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide, pinned with the specimen. The date on the pinned holotype (29-VIII-1953) differs from that of the original description. There are fifteen additional specimens from the type series, but these were not labeled as paratypes.

***Thaumalea himalayana*** Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 18. PAKISTAN.
Holotype ♂: Pakistan (NWFP), Naran, 30-VI, 5-VII-1953, F. Schmid/Holotype Thaumalea himalayana Schmid, CNC No. 17200/ Holotype ♂, Thaumalea himalayana F. Schmid, 1957.
Paratypes: 19♂♂, Pakistan.
Remarks: The holotype and three paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide, pinned with the specimen. The date on the label of the holotype (30-VI, 5-VII-1953) differs from that given in the original description. There are three additional specimens from the type locality, but these were not labeled as paratypes.

***Thaumalea hyrcanica*** Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 16. IRAN.
Holotype ♂: Iran (Maz.), Luis, 14-IX-1955, F. Schmid/Holotype Thaumalea hyrcanica Schmid, CNC No. 17202/Holotype ♂, Thaumalea hyrcanica F. Schmid, 1957.
Paratypes: 3♂♂, Iran.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. The date on the labeled holotype and on one paratype (14-IX-1955) differs from that of the original description.

***Thaumalea intermedia*** Schmid, 1958, Bull. Inst r. Sci. nat. Belg. 34(10): 11. YUGOSLAVIA.
Holotype ♂: Macédoine, Perister, 12-16-VIII-1955, F. Schmid/Holotype Thaumalea intermedia Schmid, CNC No. 17201/Holotype ♂, Thaumalea intermedia F. Schmid, 1957.
Paratypes: 26♂♂, Yugoslavia.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. One paratype has the specimen mounted on the plastic microslide.

***Thaumalea karakoramica*** Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 20. PAKISTAN.
Holotype ♂: Pakistan, (NWFP) Mahandri, 26-VI-1953, F. Schmid/Holotype Thaumalea karakoramica Schmid, CNC No. 17198/ Holotype ♂, Thaumalea karakoramica F. Schmid, 1957.
Paratypes: 11♂♂, Pakistan.
Remarks: The holotype and ten paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. One paratype specimen is mounted on a plastic microslide. There are sixteen additional specimens from the type series locality, but these were not labeled as paratypes. The date on the labeled holotype specimen differs from that in the original description.

***Thaumalea macedonica*** Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 10. YUGOSLAVIA.
Holotype ♂: Macédoine, Perister, 12-16-VIII-1955, F. Schmid/Holotype Thaumalea macedonica Schmid, CNC No. 17203/Holotype ♂, Thaumalea macedonica F. Schmid, 1957.
Paratypes: 22♂♂, Yugoslavia.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. There is one additional specimen from the type locality, but it was not labeled as a paratype.

***Thaumalea micomicona*** Schmid, 1951, Bull. Inst. r. Sci. nat. Belg. 27(40): 5. SPAIN.
Holotype ♂: Espagne (Gr.), Gorges Guardalfeo, 25-VIII-1950, F. Schmid/Holotype Thaumalea micomicona Schmid, CNC No. 17210/ Holotype ♂, Thaumalea micomicona F. Schmid, 1957.
Allotype ♀: Same data as holotype.
Paratypes: 6♂♂, 2♀♀, Spain.
Remarks: The holotype and four paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

***Thaumalea nanarupa*** Schmid, 1970, Naturaliste can. 97: 503. INDIA.
Paratypes: 4♂♂, India, CNC No. 17214.
Remarks: In the original description Schmid did not specifically cite the seven paratypes, although he says, "*Thaumalea* (*nanarupa* sanscrit, variable, instable) ne m'est connue que d'un petit nombre de localités du Pauri Garhwal", and he illustrated (figures 6-9) four variations in the form of the parameres from the paratypes. Two paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

***Thaumalea suborientalis*** Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 18. PAKISTAN.
Holotype ♂: Pakistan (NWFP), Jalkhad Nar, 25-VII-1953, F. Schmid/Holotype Thaumalea suborientalis Schmid, CNC No. 17211/ Holotype ♂, Thaumalea suborientalis F. Schmid, 1957.
Paratypes: 5♂♂, Pakistan.

Remarks: The holotype and two paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

***Thaumalea suzonae*** Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 14. IRAN.
Holotype ♂: Iran (Maz.), Barajan, 15-IX-1955, F. Schmid/Holotype Thaumalea suzonae Schmid, CNC No. 17212/Holotype ♂, Thaumalea suzonae F. Schmid, 1957.
Paratypes: 23♂♂, Iran.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide, pinned with the specimen. Three labeled paratypes from Ijdalam have a date of 6-X-1956, which differs from the original description. There are four additional specimens from the type series, but these were not labeled as paratypes.

***Thaumalea tchaturskona*** Schmid, 1970, Naturaliste can. 97: 503. INDIA.
Remarks: There is one specimen that is labeled as a paratype, but it was not cited in the original description as part of the type series.

***Thaumalea tiriasdanta*** Schmid, 1970, Naturaliste can. 97: 509. INDIA.
Remarks: There is one specimen that is labeled as a paratype, but it was not cited in the original description as part of the type series.

***Thaumalea tridhatu*** Schmid, 1970, Naturaliste can. 97: 504. INDIA.
Remarks: There are two specimens that are labeled as paratypes, but they were not cited in the original description as part of the type series.

***Thaumalea urdhvakantaka*** Schmid, 1970, Naturaliste can. 97: 508. INDIA.
Remarks: There are five specimens that are labeled as paratypes, but they were not cited in the original description as part of the type series.

***Thaumalea vakrakantaka*** Schmid, 1970, Naturaliste can. 97: 509. INDIA.
Remarks: There are six specimens that are labeled as paratypes, but they were not cited in the original description as part of the type series.

***Thaumalea valdesia*** Schmid, 1951, Bull. Inst. r. Sci. nat. Belg. 27(40): 5. SWITZERLAND.
Holotype ♂: Suisse-Valais, Tanay, 18-IX-1948, F. Schmid/Holotype Thaumalea valdesia Schmid, CNC No. 17213/Holotype ♂, Thaumalea valdesia F. Schmid, 1957.
Paratype: 1♂, Switzerland.
Remarks: The holotype and paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

***Thaumalea vartula*** Schmid, 1970, Naturaliste can. 97: 507. INDIA.
Remarks: There are thirteen specimens labeled as paratypes, but they were not cited in the original description as part of the type series.

## TIPULIDAE

***Antocha (Antocha) obtusa*** Alexander, 1925, Ent. News 36: 201. USA.
Paratypes: 2♂♂, 1♀, Quebec (Canada), CNC No. 16998.

***Austrolimnophila consobrina*** Tjeder, 1955, Opusc. ent. 20: 225. SWEDEN.
Paratype: 1♂, Sweden, CNC No. 6392.
Remarks: The paratype has the terminalia dissected and stored in a microvial.

***Chionea alexandriana*** Garrett, 1922, Proc. ent. Soc. Wash. 24(2): 62. CANADA.
Paratype: 1♀, British Columbia, CNC No. 257.

***Chionea obtusa*** Byers, 1983, Kans. Univ. Sci. Bull. 52(6): 145. CANADA.
Paratypes: 2♂♂, 2♀♀, Alberta, CNC No. 17964.

***Chionea waughi*** Curran, 1925, Can. Ent. 57: 24. CANADA.
Holotype ♂: Voisey's Bay, Labr., 5.XII.1921, F.W. Waugh, On Snow/Holotype Chionea waughi Curr., CNC No. 706.
Allotype ♀: Cabot Lake Labr., Sept-Oct. 1921, F.W. Waugh/Allotype Chionea waughi Curr., CNC No. 706.
Paratype: 1♂, Labrador.

***Dicranomyia alascaensis*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 4. USA.
Holotype ♀: Nome, Alaska, Aug 24, 25, 16/Canadian Arctic Expedition F.J., 1916/Holotype Dicranomyia alascaensis Alex., CNC No. 251/Holotype Dicranomyia alascaensis C.P. Alexander.
Remarks: Left wing and all left legs are missing from the holotype.

***Dicranomyia aquita*** Dietz, 1915, Can. Ent. 47: 331. CANADA.
Holotype ♂: Fort Resolution, Aug. 24, 1914, F. Harper/Holotype Dicranomyia aquilla [sic] Dietz, CNC No. 258/Holotype.
Allotype ♀: Same data as holotype.
Paratype: 1♀, Northwest Territories.
Remarks: The left wing is missing from the holotype. The species name aquilla [sic] on the holotype label was written in error by someone other than Dietz.

***Dicranomyia gibsoni*** Alexander, 1929, Can. Ent. 61: 17. CANADA.
Holotype ♂: Smith's Cove, N.S., 6-VIII-1925, A. Gibson/Holotype Dicranomyia gibsoni Alex., CNC No. 2572/Holotype Dicranomyia gibsoni C.P. Alexander.
Paratypes: 2♂♂, Nova Scotia.

***Dicranota currani*** Alexander, 1926, Ent. News 37: 50. CANADA.
Holotype ♂: Ottawa, Ont., 9.V.1923, C.H. Curran/Holotype Dicranota currani Alex., CNC No. 2321/Holotype Dicranota currani C.P. Alexander.
Paratypes: 7♂♂, 2♀♀, Quebec; 1♂, Ontario.

Remarks: All legs except the right hind are missing from the holotype. All the paratypes from Quebec have a date of 7.V.1924.

***Eriocera alberta*** Alexander, 1930, Bull. Brooklyn ent. Soc. 25(2): 73. CANADA.
Holotype ♀: Lethbridge, Alta., 24.VI.1929, J.H. Pepper/Holotype Eriocera alberta, CNC No. 3187, Alex./Holotype Eriocera alberta C.P. Alexander.
Remarks: Right wing is missing from the holotype.

***Eriocera gaspensis*** Alexander, 1931, Can. Ent. 63: 143. CANADA.
Paratype: 1♂, Quebec, CNC No. 3188.

***Erioptera*** (***Erioptera***) ***angustipennis*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 5. CANADA.
Holotype ♂: Bernard Harbour, Aug. 1-7, N.W.T./Canadian Arctic Expedition, F.J. 1915/Holotype Erioptera angustipennis Alex., CNC No. 252/Holotype Erioptera angustipennis C.P. Alexander.
Remarks: All legs and right wing are missing from the holotype.

***Erioptera*** (***Erioptera***) ***ebenina*** Alexander, 1926, Can. Ent. 58: 237. CANADA.
Holotype ♂: Ottawa, Ont., May 29, 1925, C.H. Curran/Holotype ♂ Erioptera ebenina Alex., CNC No. 2313/Holotype Erioptera ebenina, C.P. Alexander/Allotype ♀ Erioptera ebenina Alex., CNC No. 2313/Allotype Erioptera ebenina ♀ C.P. Alexander.
Allotype ♀: Same data as holotype.
Remarks: Both type specimens are mounted on the same pin. The holotype has the terminalia mounted on a plastic microslide (now badly deteriorated) pinned with the specimen.

***Erioptera*** (***Ilisia***) ***manitobensis*** Alexander, 1929, Jl. N.Y. ent. Soc. 37: 51. CANADA.
Holotype ♂: Aweme, Man., 24.VI.1924, N. Criddle/Holotype Erioptera manitobensis Alex., CNC No. 3185/Holotype Erioptera manitobensis C.P. Alexander.
Remarks: The holotype has the terminalia dissected and mounted on a microscope slide. The left wing is missing from holotype.

***Erioptera*** (***Trimicra***) ***pilipes*** n. sub sp. ***campbellicola*** Alexander, 1964, Pacif. Insects Monogr. 7: 276. (CAMPBELL ISLAND) NEW ZEALAND.
Paratype: 1♂, Campbell Is., (New Zealand), CNC No. 16999.

***Gonomyia*** (***Gonomyia***) ***currani*** Alexander, 1926, Can. Ent. 58: 239. CANADA.
Holotype ♂: Orillia, Ont., 7.VI.1925, C.H. Curran/Holotype Gonomyia currani Alex., CNC No. 2312/Holotype Gonomyia currani, C.P. Alexander.
Paratypes: 2♂♂, Ontario.
Remarks: One paratype has the terminalia mounted on a plastic microslide (now badly deteriorated) pinned with specimen.

***Gonomyia*** (***Ptilostena***) ***icasta*** Alexander, 1927, Can. Ent. 59: 191. CANADA.
Holotype ♀: Banff, Alta., 5.VI.1922, C.B.D. Garrett/June 5/Holotype Gonomyia icasta Alex., CNC No. 2577/Holotype Gonomyia icasta C.P. Alexander.
Remarks: The left wing and both middle legs are missing from the holotype.

***Limnobia gracilis*** Dietz, 1915, Can. Ent. 47: 329. CANADA.
Holotype ♂: Tsolinoi Lake, about 5 mi N. of Athabaska Lake, July 5th, 14. F. Harper/Holotype Lomnobia [sic] gracilis Dietz, CNC No. 256/Holotype.
Remarks: All legs and abdomen are missing from the holotype.

***Limonia*** (***Dicranomyia***) ***chillcotti*** Alexander, 1968, Gt. Basin Nat. 28(3): 115. CANADA.
Holotype ♂: Farnworth L. Nr. Churchill Man., 26.VI.1952, J.G. Chillcott/Ecological data F.B./♂ hypo on slide/Holotype Limonia (Dicranomyia) chillcotti Alex., CNC No. 16996/Holotype Limonia chillcotti C.P. Alexander.
Allotype ♀: Same data as holotype, except Ecological data F.C.
Paratype: 1♂, Manitoba.
Remarks: All legs except the right hind are missing from the holotype. The holotype has its terminalia mounted on microscope slide No. 12168.

***Limonia*** (***Dicranomyia***) ***involuta*** Alexander, 1968, Gt. Basin Nat. 28(3): 117. CANADA.
Paratypes: 3♂♂, 7♀♀, Yukon Territory, CNC No. 16997.

***Limonia*** (***Dicranomyia***) ***walleyi*** Alexander, 1942, Bull. Conn. St. geol. nat. Hist. Surv. 64: 325. CANADA.
Holotype ♂: Mer Bleue, Ont., 6.IX.1928, G.S. Walley/Holotype Limonia (Dicranomyia) walleyi Alex., CNC No. 3186/Holotype Limonia (Dicranomyia) walleyi C.P. Alexander.
Remarks: The holotype terminalia are mounted on a plastic microslide (now badly deteriorated) pinned with specimen.

***Limnophila mc-dunnoughi*** Alexander, 1926, Insecutor Inscit. menstr. 14(1-3): 21. CANADA.
Holotype ♀: Nordegg, Alta., 14.VII.1921, J. McDunnough/Holotype Limnophila mc-dunnoughi Alex., CNC No. 2315/Holotype Limnophila mc-dunnoughi C.P. Alexander.

***Limnophila*** (***Dactylolabis***) ***rhicnoptiloides*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18; 3: 6. CANADA.
Holotype ♂: Bernard Harbour, NWT., July 15/Canadian Arctic Expedition F.J. 1915/Holotype Limnophila rhicnophiloides [sic] Alex., CNC No. 253/ Holotype Limnophila rhicnoptiloides C.P. Alexander.
Remarks: Both wings and legs are missing from the holotype.

***Limnophila*** (***Ephelia***) ***aldrichi*** Alexander, 1927, Proc. U.S. natn. Mus. 72(2): 11. USA.
Allotype ♀: Banff, Alta., 7.VII.1922, C.B.D. Garrett/Allotype Limnophila aldrichi ♀ Alex., CNC No. 2571/Allotype Limnophila aldrichi C.P. Alexander.
Paratype: 1♂, Alberta.
Remarks: The left wing and legs except right middle are missing from allotype.

***Limnophila*** (***Phylidorea***) ***auripennis*** Alexander, 1926, Bull. Brooklyn ent. Soc. 21(3): 113. USA.
Paratype: 1♂, Ontario (Canada), CNC No. 2317.

Remarks: The terminalia of paratype is mounted on a plastic microslide (now badly deteriorated) pinned with specimen.

***Limnophila (Phylidorea) fuscovenosa*** Alexander, 1927, Can. Ent. 59: 190. CANADA.
Holotype ♀: Banff, Alta., 19.VII.1922, C.B.D. Garrett/Holotype Limnophila fuscovenosa Alex., CNC No. 2570/Holotype Limnophila fuscovenosa C.P. Alexander.
Remarks: Right wing is missing from holotype.

***Limnophila (Phylidorea) platyphallus*** Alexander, 1926, Bull. Brooklyn ent. Soc. 21(3): 111. USA.
Paratype: 1♂, Ontario (Canada), CNC No. 2316.
Remarks: The terminalia is mounted on a plastic microslide (now badly deteriorated) pinned with specimen.

***Nephrotoma arcticola*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 10. CANADA.
Holotype ♂: Bernard Harbour, NWT., July 1-14/Canadian Arctic Expedition F.J. 1916/Holotype Nephrotoma arcticola Alex., CNC No. 250/Holotype Nephrotoma arcticola, C.P. Alexander.
Allotype ♀: Same data as holotype, except July-Aug 1915.
Paratypes: 2♂♂, Northwest Territories.

***Nephrotoma boyesi*** Alexander, 1969, Ent. News 80(10): 259. NEW GUINEA.
Holotype ♂: Wau, Papua, 3600' 7.VI.68, J.W. Boyes/Holotype Nephrotoma boyesi Alex., CNC No. 16994/Assoc. genitalia slide/ Holotype Nephrotoma boyesi C.P. Alexander.
Remarks: Holotype has the terminalia dissected and mounted on a microscope slide.

***Ormosia garretti*** Alexander, 1926, Insecutor Inscit. menstr. 14(1-3): 19. CANADA.
Holotype ♂: Banff, Alta., 18.VII.1922, C.B.D. Garrett/Holotype Ormosia garretti Alex., CNC No. 2314/Holotype Ormosia garretti C.P. Alexander.
Allotype ♀: Same data as holotype, except 19.VII.1922.
Paratype: 1♀, Alberta.
Remarks: All legs except the left middle are missing from the holotype.

***Ormosia hubbelli*** Alexander, 1926, Insecutor Inscit. menstr. 14(1-3): 20. USA.
Paratype: 1♂, Manitoba (Canada), CNC No. 2318.
Remarks: Abdomen and right wing are missing from paratype.

***Oropeza walleyi*** Alexander, 1931, Can. Ent. 63: 139. CANADA.
Holotype ♂: Knowlton, Que., 4.VIII.1929, G.S. Walley/Holotype Oropeza walleyi Alex., CNC No. 3184/Holotype Oropeza walleyi C.P. Alexander.
Paratypes: 1♂, 1♀, Quebec.

***Pales lindneri*** Mannheims, 1951, Fliegen Palaearkt. Reg., Lieferung 167: 53. LATVIA.
Paratype: 1♀, Hungary, CNC No. 16995.

***Phalacrocera vancouverensis*** Alexander, 1927, Can. Ent. 59: 189. CANADA.
Holotype ♀: Vancouver, B.C., 10.IV.1922, W.B. Anderson/Holotype Phalacrocesa [sic] vancouverensis C.P. Alex., CNC No. 2575/Holotype Phalacrocera vancouverensis, C.P. Alexander.
Remarks: The left wing is missing from holotype.

***Prionocera byersi*** Brodo, 1987, Evolut. Monogr. 8: 22. ALASKA.
Paratype: 1♂, Alaska, CNC No. 19807.

***Prionocera cryptica*** Brodo, 1987, Evolut. Monogr. 8: 24. CANADA.
Holotype ♂: ONT. Bells Corners, 45°17'N, 75°48'W, 9 May 1970, Fenja Brodo/ HOLOTYPE Prionocera cryptica Brodo, CNC No. 18348.
Remarks: The holotype has its terminalia dissected and stored in a plastic microvial pinned with specimen. The original description gives the date as 9 May 1971. But the date of the locality label is 9 May 1970.

***Prionocera electa*** Alexander, 1927, Can. Ent. 59: 188. CANADA.
Holotype ♂: Hopedale, Labr., 1.VII.1923/ Holotype Prionocera electa Alex., CNC No. 2576/Holotype Prionocera electa, C.P. Alexander.
Remarks: The left wing is missing from holotype.

***Prionocera naskapi*** Brodo, 1987, Evolut. Monogr. 8: 33. CANADA.
Holotype ♂: QUEBEC: Schefferville, 18 July 1981, F. Brodo/HOLOTYPE Prionocera naskapi Brodo, CNC No. 18350/744.
Paratypes: 3♂♂, Quebec; 4♂♂, Labrador.
Remarks: The holotype has its terminalia dissected and stored in a plastic microvial pinned with specimen.

***Prionocera woodorum*** Brodo, 1987, Evolut. Monogr. 8: 69. CANADA.
Holotype ♂: YUKON, Barlow Lake, km 612, Klondike Hwy., 20.VI.1982, G. & M. Wood/HOLOTYPE Prionocera woodorum Brodo, CNC No. 18351.
Allotype ♀: YUKON, km 141, Dempster Hwy., 24-28.VI.1982, G. & M. Wood/Allotype Prionocera woodorum Brodo No. 18351.
Paratypes: 2♂♂, 1♀ Yukon Territory; 1♂, 1♀, Northwest Territories.
Remarks: The holotype and allotype have the terminalia stored in plastic microvials pinned with the specimen.

***Psiloconopa cramptonella*** Alexander, 1931, Can. Ent. 63: 144. CANADA.
Paratype: 1♂, Quebec, CNC No. 3189.

***Rhabdomastix (Sacandaga) subcaudata*** Alexander, 1927, Can. Ent. 59: 191. CANADA.
Holotype ♀: Moraine Lake, Alta., 2.VIII.1923, J. McDunnough/Holotype Rhabdomastix subcaudata Alex., CNC No. 2578/Holotype Rhabdomastix subcaudata C.P. Alexander.
Remarks: Right wing is missing from holotype.

***Rhabdomastix (Sacandaga) subfasciger*** Alexander, 1927, Can. Ent. 59: 192. CANADA.
Holotype ♂: Banff, Alta., 7.VIII.1922, C.B.D. Garrett/Aug. 7/Holotype Rhabdomastix

subfasciger Alex., CNC No. 2579/Holotype Rhabdomastix subfasciger C.P. Alexander.
Allotype ♀: Same data as holotype, except 3.VIII.1922.
Paratypes: 3♂♂, 1♀, Alberta.
Remarks: One male paratype has the terminalia dissected and stored in glycerine in a glass microvial.

*Stygeropis parrioides* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 9. USA.
Holotype ♂: W. of Kangengevik, Camdin Bay, Alaska June/Canadian Arctic Expedition F.J., 1914/Holotype Stygeropis parrioides Alex., CNC No. 249/Holotype Stygeropis parroides [sic] C.P. Alexander.
Paratypes: 4♂♂, Alaska.
Remarks: The right wing and both hind legs are missing from the holotype.

*Tricyphona autumnalis* Alexander, 1917, Can. Ent. 49: 30. USA.
Paratype: 1♂, Quebec (Canada), CNC No. 259.
Remarks: Left wing and all legs except right hind are missing from paratype.

*Tricyphona brevifurcata* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 6. USA.
Holotype ♂: W. of Kangengevik, Camdin Bay, Alaska July 4/Canadian Arctic Expedition F.J. 1914/Holotype Tricyphona brevifurcata Alex., CNC No. 254/Holotype Tricyphona brevifurcata C.P. Alexander.
Remarks: Apex of both wings are missing from holotype.

*Tricyphona frigida* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 7. USA.
Holotype ♂: Ketchikan, South Alaska, Sept. 10/Canadian Arctic Expedition F.J. 1916/Holotype Tricyphona frigida Alex., CNC No. 255/Holotype Tricyphona frigida C.P. Alexander.
Allotype ♀: Same data as holotype.
Remarks: The abdomen and apex of right wing, plus all legs except left front, are missing from holotype.

*Tipula accurata* Alexander, 1927, Can. Ent. 59: 184. CANADA.
Holotype ♂: Keremeos, B.C., 1.VIII.1923, C.B. Garrett/Holotype Tipula accurata Alex., CNC No. 2567/Holotype Tipula accurata, C.P. Alexander.
Allotype ♀: Same data as holotype, except 2.VIII.1923.
Paratypes: 1♂, Alberta; 4♂♂, British Columbia.
Remarks: Both middle and hind legs are missing from the holotype.

*Tipula besselsoides* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 15. CANADA.
Holotype ♂: Bernard Harbour, NWT., July 1-14/Canadian Arctic Expedition F.J. 1916/Holotype Tipula besselsoides Alex., CNC No. 246/Holotype Tipula besselsoides C.P. Alexander.
Remarks: The abdomen, all legs, and the right wing are missing from holotype.

*Tipula bucera* Alexander, 1927, Can. Ent. 59: 187. CANADA.
Holotype ♂: Banff, Alta., 30.VIII.1921, C.B.D. Garrett/Holotype ♂ Tipula bucera Alex., CNC No. 2565/Holotype Tipula bucera C.P. Alexander.

*Tipula diflava* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 12. CANADA.
Holotype ♂: Bernard Harbour, N.W.T., July 12/Canadian Arctic Expedition F.J. 1915/Holotype Tipula diflava Alex., CNC No. 243/Holotype Tipula diflava C.P. Alexander.
Allotype ♀: Herschel Isl., N.W.T./F. Johansen Coll./Canadian Arctic Expedition July 1916/Allotype Tipula diflava Alex., CNC No. 243/Allotype Tipula diflava C.P. Alexander.
Remarks: All legs are missing from the holotype; one wing is missing and the other is glued to a paper mount pinned with specimen.

*Tipula grenfelli* Alexander, 1928, Can. Ent. 60: 96. CANADA.
Holotype ♂: Hopedale, Labr., 7.VII.1923/Holotype Tipula grenfelli Alex., CNC No. 2566/Holotype Tipula grenfelli C.P. Alexander.
Paratype: 1♂, Labrador.

*Tipula hewitti* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 14. CANADA.
Holotype ♂: Bernard Harbour, N.W.T., July 1-14/Canadian Arctic Expedition F.J. 1916/Holotype Tipula hewitti Alex., CNC No. 248/ Holotype Tipula hewitti C.P. Alexander.
Remarks: Both hind tibiae and tarsi are missing from holotype.

*Tipula idei* Alexander, 1928, Can. Ent. 60: 55. CANADA.
Holotype ♂: Burke Falls, Ont., 14.VII.1926, F.P. Ide/Holotype Tipula idei Alex., CNC No. 2569/Holotype Tipula idei C.P. Alexander.

*Tipula imbellis* Alexander, 1927, Can. Ent. 59: 186. CANADA.
Holotype ♂: Osoyoos, B.C., 18.V.1923, C.B. Garrett/Holotype Tipula imbellis ♂ Alex., CNC No. 2564/Holotype Tipula imbellis C.P. Alexander.
Remarks: All left legs, and the left wing are missing from holotype.

*Tipula johanseni* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 11. CANADA.
Holotype ♂: Bernard Harbour, N.W.T., July 10/Canadian Arctic Expedition F.J. 1916/Holotype Tipula johanseni Alex., CNC No. 244/Holotype Tipula johanseni C.P. Alexander.
Remarks: All legs and right wing are missing from holotype.

*Tipula packardi* Alexander, 1928, Can. Ent. 60: 99. CANADA.
Holotype ♂: Hopedale, Labr., 24.VIII.1924, W.W. Perrett/Holotype Tipula packardi Alex., CNC No. 2562/Holotype Tipula packardi C.P. Alexander.
Remarks: The left wing and both front legs are missing from holotype.

*Tipula parshleyi* Alexander, 1915, Proc. Acad. nat. Sci. Philad. 67: 510. USA.
Paratypes: 1♂, 1♀, New Brunswick (Canada), CNC No. 3461.

*Tipula parvemarginata* Alexander, 1926, Ent. News 37: 295. USA.
Paratypes: 1♂, Manitoba (Canada), CNC No. 2381.

*Tipula perparvula* Alexander, 1926, Insecutor Inscit. menstr. 14(7-9): 120. CANADA.
Holotype ♂: Aweme, Man., 29.VI.1924, N. Criddle/Holotype Tipula perparvula Alex., CNC No. 2380/Holotype Tipula perparvula C.P. Alexander.

*Tipula perretti* Alexander, 1928, Can. Ent. 60: 98. CANADA.
Holotype ♂: Hopedale Labr., 17.VII.1923/ Holotype Tipula perretti ♂ Alex., CNC No. 2559/Holotype Tipula perretti C.P. Alexander.
Remarks: Right wing, and legs, except the left front and middle, are missing.

*Tipula productella* Alexander, 1928, Can. Ent. 60: 100. CANADA.
Holotype ♂: Hopedale, Labr., 13.IX.1923/ Holotype Tipula productella Alexander, CNC No. 2563/Holotype Tipula productella C.P. Alexander.
Remarks: The left wing, and all legs except left front are missing from holotype.

*Tipula subarctica* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 15. USA.
Holotype ♂: W. of Kangengevik, Camdin Bay, Alaska, July 4/Canadian Arctic Expedition F.J. 1914/Holotype Tipula subarctica Alex., CNC No. 247/Holotype Tipula subarctica C.P. Alexander.
Remarks: The head is missing from the holotype; all legs are missing except left hind leg; the apex of the right wing is also missing.

*Tipula subbarbata* Alexander, 1927, Can. Ent. 59: 185. CANADA.
Holotype ♂: Saskatoon, Sask., 17.VIII. R 1926, Kenneth M. King/Holotype Tipula subbarbata Alex., CNC No. 2568/Holotype Tipula subbarbata C.P. Alexander/Pupal case glued to paper mount.
Allotype ♀: Same data as holotype, except 27 August 1925.
Remarks: Head and all legs except left middle are missing from holotype. Pupal case is glued to paper mount, and pinned with holotype.

*Tipula subpolaris* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 14. CANADA.
Holotype ♂: Bernard Harbour, N.W.T., July-Aug./Canadian Arctic Expedition F.J. 1915/Holotype Tipula subpolaris Alex., CNC No. 245/ Holotype Tipula hewitti subporalis C.P. Alexander.
Remarks: Both wings, and left middle and hind legs are missing from holotype.

*Tipula subserta* Alexander, 1928, Can. Ent. 60: 97. CANADA.
Holotype ♂: Hopedale, Labr., 18.VII.1923/ Holotype ♂ Tipula subserta Alex., CNC No. 2560/Holotype Tipula subserta C.P. Alexander.
Allotype ♀: Same data as holotype, except 25.VII.1924, W.W. Perrett.

*Tipula youngi* Alexander, 1927, Can. Ent. 59: 218. CANADA.
Paratypes: 2♂♂, Ontario, CNC No. 2561.

*Tipula* (*Lunatipula*) *ampullifera* Mannheims, 1965, Fliegen Palaearkt. Reg. Lieferung 256: 195. SPAIN.
Paratype: 1♀, Spain, CNC No. 7774.

*Tipula* (*Lunatipula*) *bulbosa* Mannheims, 1954, Bonn. zool. Beitr. Sonderband ♂. Teil: 162. GREECE.
Paratype: 1♂, Greece, CNC No. 16981.

*Tipula* (*Lunatipula*) *erato* Mannheims, 1954, Bonn. zool. Beitr. Sonderband 1954, I. Teil: 179. GREECE.
Paratype: 1♂, Greece, CNC No. 16990.

*Tipula* (*Lunatipula*) *forcipata* Mannheims & Theowald, 1959, Memorie Soc. ent. ital. 38: 36. ITALY.
Paratype: 1♀, Italy, CNC No. 16989.
Remarks: *caudicornuta* Mannheims *in lit*. (*nom. nud*.) = *forcipata* Mannheims & Theowald.

*Tipula* (*Lunatipula*) *soosi* Mannheims, 1954, Bonn. zool. Beitr. Sonderband 1954, I. Teil: 160. CZECHOSLOVAKIA.
Paratypes: 1♂, 1♀, Hungary, CNC No. 16991.

*Tipula* (*Lunatipula*) *terpsichore* Mannheims, 1954, Bonn. zool. Beitr. Sonderband 1954, I. Teil: 180. GREECE.
Paratype: 1♂, Greece, CNC No. 16992.

*Tipula* (*Lunatipula*) *urania* Mannheims, 1954, Bonn. zool. Beitr. Sonderband 1954, I. Teil: 178. GREECE.
Paratypes: 2♀♀, Greece, CNC No. 16993.

## TRICHOCERIDAE

*Trichocera columbiana* Alexander, 1927, Can. Ent. 59: 70. CANADA.
Paratypes: 2♂♂, 2♀♀, British Columbia, CNC No. 2573.
Remarks: One male paratype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen.

*Trichocera excilis* Dahl, 1967, Opusc. ent. 32(1-2): 71. CANADA.
Holotype ♂: Mile 36 M. of Dawson, Yukon 3000' 23.VIII.1949, P.F. Bruggemann/ Holotypus/ Holotype Trichocera excilis Dahl, CNC No. 17124/Trichocera excilis n.sp. ♂ det. Christine Dahl 1967.
Paratypes: 2♂♂, Quebec.
Remarks: Holotype has the apical portion of the abdomen and terminalia stored in a plastic microtube pinned with specimen. Both paratypes have the terminalia mounted on a plastic microslide pinned with the specimen.

*Trichocera garretti* Alexander, 1927, Can. Ent. 59: 71. CANADA.
Paratype: 1♂, British Columbia, CNC No. 2574.
Remarks: The abdomen and terminalia of the paratype is mounted on a plastic microslide (now badly deteriorated) with pinned specimen.

*Metatrichocera alexanderi* Dahl, 1967, Opusc. ent. 32(1-2): 59. CANADA.
Holotype ♂: Robson, B.C., 4.IV.1948, H.R. Foxlee/Holotypus/Holotype Metatrichocera alexanderi Dahl, CNC No. 17125/ Metatrichocera alexanderi n.sp. ♂, det Christine Dahl 1967.

**Remarks:** The holotype has the abdomen and terminalia stored in a plastic microtube pinned with specimen. Both antennae are missing from the holotype.

***Metatrichocera mackenzie*** Dahl, 1967, Opusc. ent. 32(1-2): 60. CANADA.

**Holotype ♂:** Reindeer Depot, Mackenzie Delta, 1.VIII.1948, J.R. Vockeroth/Holotypus/ Holotype Metatrichocera mackenzie Dahl, CNC No. 17126/Metatrichocera mackenzie n.sp. ♂, det. Christine Dahl 1967.

**Allotype ♀:** Same data as holotype, except 12.VIII.1948.

**Paratypes:** 1♂, 2♀♀, Northwest Territories.

**Remarks:** The holotype has the apical portion of the abdomen and terminalia stored in a plastic microtube pinned with specimen. The left wing is mounted on a plastic microslide pinned with specimen. One ♀ paratype has the terminalia mounted on a plastic microslide pinned with specimen, the other ♀ paratype has the terminalia stored in a plastic microtube pinned with specimen.

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